SHARP SERVICE MANUAL

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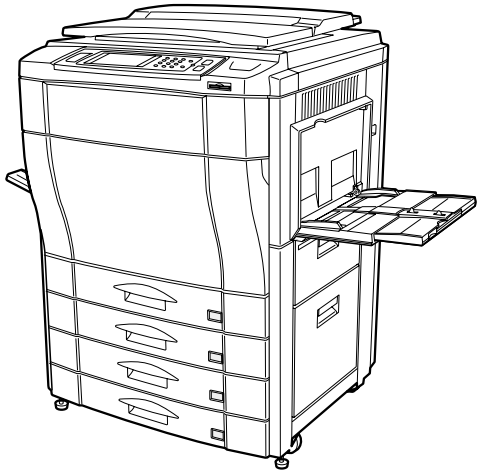

DIGITAL FULL COLOR COPIER

AR-C150
AR-C250
MODEL AR-C160

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This Service Manual describes only the different points from the AR-C150/C250. For servicing of the AR-C160, therefore, use this Service Manual together with that of the AR-C150/C250.

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

Cautions on laser

Wave length	785 nm +10 nm -15 nm
Pulse times	North America: (4.374 µs ±4.4 ns)/7 mm Europe: (5.732 µs ±5.7 ns)/7 mm
Output power	0.25 - 0.45 mW

Caution
This product contains a low power laser device. To ensure continued safety do not remove any cover or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.

For North America:

SAFETY PRECAUTIONS

This Digital Copier is rated Class 1 and complies with 21 CFR 1040.10 and 1040.11 of the CDRH standards. This means that the copier does not produce hazardous laser radiation. For your safety, observe the precautions below.

- Do not remove the cabinet, operation panel or any other covers.
- The copier's exterior covers contain several safety interlock switches. Do not bypass any safety interlock by inserting wedges or other items into switch slots.

For Europe:

CLASS 1 LASER PRODUCT

LASER KLASSE 1

LUOKAN 1 LASERLAITE

KLASS 1 LASERAPPARAT

CAUTION
INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

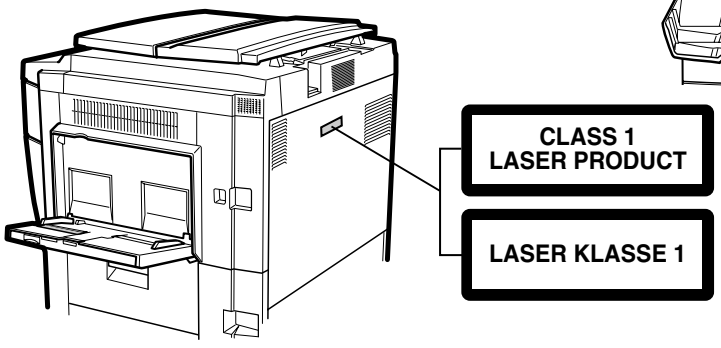
VORSICHT
UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.

ADVARSEL
USYNLIG LASERSTRÅLNING VED ÅBNING, NÅR SIKKERHEDSBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSAETTELSE FOR STRÅLNING.

VAROITUS!
LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

VARNING
OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERATS, KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLNING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.

CAUTION INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
VORSICHT UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.
ADVARSEL USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSAETTELSE FOR STRÅLNING.
ADVERSEL USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VARNING OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRRAR ÄR URKOPPLADE. STRÅLEN ÄR FARLIG. BETRAKTA EJ STRÅLEN.
VARO! AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
Laserstrahl
⚠ 注 意（サービスマン用）
カバーを開けてかつインターロックを無効にした場合には
レーザー光にさらされないようにしてください。



(Caution on power source)

Before servicing, be sure to disconnect the power plug from the power outlet.

(Relationship between this Service Manual and previous Service Manuals and how to utilize them)

There are following three kinds of Service Manuals for the AR-C100/C150/C160/C250.

Document name	Document code
AR-C100/C150	00ZARC150/F1E
AR-C100/C150/C250	00ZARC250/F2E
AR-C100/C150/C160/C250	00ZARC160/F1E

The above list is made in the sequence of issuing. The later Service Manual includes changes occurred before issuing of it.

(Service Manual required for servicing of each model)

Servicing of each model requires the following service manual.

Service Manual required for servicing

MODEL	Document name	Document code
AR-C100	AR-C100/C150	00ZARC150/F1E
AR-C150	AR-C100/C150	00ZARC150/F1E
AR-C160	AR-C100/C150	00ZARC150/F1E
	AR-C100/C150/C250	00ZARC250/F2E
	AR-C100/C150/C160/C250	00ZARC160/F1E
AR-C250	AR-C100/C150	00ZARC150/F1E
	AR-C100/C150/C250	00ZARC250/F2E

"List of Service Manuals and the contents" below indicates the relationship between each model and the contents of its Service Manual. Refer to it to utilize the Service Manuals.

List of Service Manuals and the contents

Documents marked with ❍ includes the latest contents and the different points. Utilize them.

Service Manual				Service target model/Service document reference page				NOTE
Chapter	Contents of Service Manual	Document name	Document code	AR-C100	AR-C150	AR-C160	AR-C250	
1	Configuration	AR-C100/C150	00ZARC150/F1E					
		AR-C100/C150/C250	00ZARC250/F2E					
		AR-C100/C150/C160/C250	00ZARC160/F1E	❍	❍	❍	❍	Includes the contents of all the models.
2	Specifications	AR-C100/C150	00ZARC150/F1E					
		AR-C100/C150/C250	00ZARC250/F2E					
		AR-C100/C150/C160/C250	00ZARC160/F1E	❍	❍	❍	❍	Includes the contents of all the models.
3	Consumable parts	AR-C100/C150	00ZARC150/F1E					
		AR-C100/C150/C250	00ZARC250/F2E					
		AR-C100/C150/C160/C250	00ZARC160/F1E	❍	❍	❍	❍	Includes the contents of all the models.
4	Setup	AR-C100/C150	00ZARC150/F1E	❍	❍	❍	❍	
5	External view and internal structure	AR-C100/C150	00ZARC150/F1E	❍	❍	❍	❍	
		AR-C100/C150/C160/C250	00ZARC160/F1E			❍		Includes the contents of AR-C100/C150/C250.
6	Machine operations	AR-C100/C150	00ZARC150/F1E					
		AR-C100/C150/C250	00ZARC250/F2E					
		AR-C100/C150/C160/C250	00ZARC160/F1E		❍	❍	❍	
7	Setup and adjustment	AR-C100/C150	00ZARC150/F1E					
		AR-C100/C150/C250	00ZARC250/F2E					
		AR-C100/C150/C160/C250	00ZARC160/F1E	❍	❍	❍	❍	Includes the contents of all the models.
8	Simulation	AR-C100/C150	00ZARC150/F1E					
		AR-C100/C150/C250	00ZARC250/F2E	❍	❍	❍	❍	Includes the contents of AR-C100/C150/C250.
		AR-C100/C150/C160/C250	00ZARC160/F1E			❍		Includes only the differences from the AR-C100/C150/C250. (However, the list includes the contents of all the models.)
9	User program	AR-C100/C150	00ZARC150/F1E					
		AR-C100/C150/C250	00ZARC250/F2E	❍	❍	❍	❍	

Service Manual				Service target model/Service document reference page				NOTE
Chapter	Contents of Service Manual	Document name	Document code	AR-C100	AR-C150	AR-C160	AR-C250	
10	Self diag message and troubleshooting	AR-C100/C150	00ZARC150/F1E	❍	❍	❍	❍	
		AR-C100/C150/C250	00ZARC250/F2E	❍	❍	❍	❍	The list includes the contents of the AR-C100/C150/C250. (The details are only of the differences from the AR-C100/C150/C250.)
		AR-C100/C150/C160/C250	00ZARC160/F1E			❍		Includes only the differences from the AR-C100/C150/C250. (However, the list includes the contents of all the models.)
11	Disassembly/assembly and maintenance	AR-C100/C150	00ZARC150/F1E	❍	❍	❍	❍	
		AR-C100/C150/C250	00ZARC250/F2E				❍	Include only the differences from the AR-C10/C150.
		AR-C100/C150/C160/C250	00ZARC160/F1E	❍	❍	❍	❍	Includes only the differences from the AR-C100/C150/C250. (However, for the contents of necessary work items of maintenance and servicing of all the models, refer to this Manual.)
12	Block diagram	AR-C100/C150	00ZARC150/F1E	❍	❍			
		AR-C100/C150/C250	00ZARC250/F2E				❍	
		AR-C100/C150/C160/C250	00ZARC160/F1E			❍		
13	Actual wiring diagram	AR-C100/C150	00ZARC150/F1E	❍	❍		❍	
		AR-C100/C150/C250	00ZARC250/F2E				❍	Includes only the differences from the AR-C100/C150/C250.
		AR-C100/C150/C160/C250	00ZARC160/F1E			❍		Includes all the contents of the AR-C160.
14	Others	AR-C100/C150	00ZARC150/F1E					
		AR-C100/C150/C250	00ZARC250/F2E					
		AR-C100/C150/C160/C250	00ZARC160/F1E	❍	❍	❍	❍	Includes the contents of all the models.

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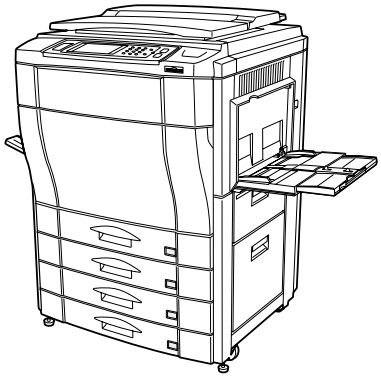
[1] CONFIGURATION

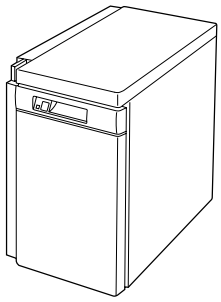
1. Main unit and option lineup

(1) Main unit lineup

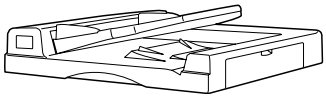


AR-C150/C250/C160

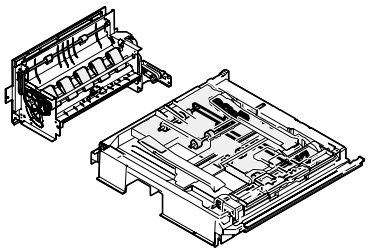
(2) Option lineup



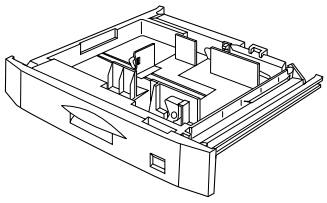
AR-LC2 (AR-C150/C250)/Large capacity tray (excluding Japan)
AR-LC2N (AR-C160/C250/C150)/ Large capacity tray (excluding Japan)



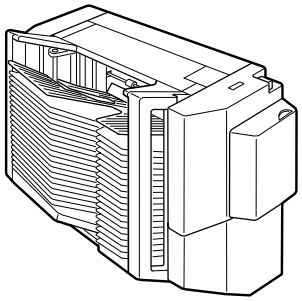
AR-RF1/Reversing automatic document feeder



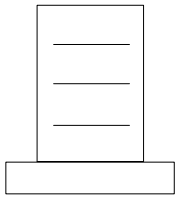
AR-DU2 (AR-C150/C250)/Duplex module
AR-DU2N (AR-C160/C250/C150)/Duplex module



AR-CS2 (AR-C150/C250)/500 sheet paper drawer
AR-CS2N (AR-C160/C250/C150)/500 sheet paper drawer



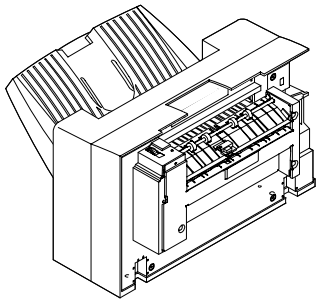
AR-SS2/20 bin staple sorter



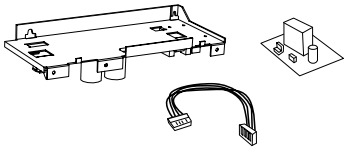
AR-PE1 (AR-C150/C250) / Fiery Printer controller

Printer engine I/F kit (AR-C150/C250)	(AR-PX1)
	(AR-PX2) (North America)

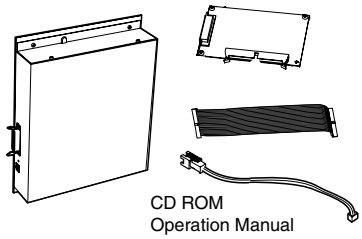
AR-VR2/Original cover (excluding Japan)



AR-FN4 Finisher (Use for AR-C250/C160)



AR-PX3/PX4 (AR-C160)/Printer power unit



AR-PE2 (AR-C160)/Built-in type printer controller (with I/F PWB)

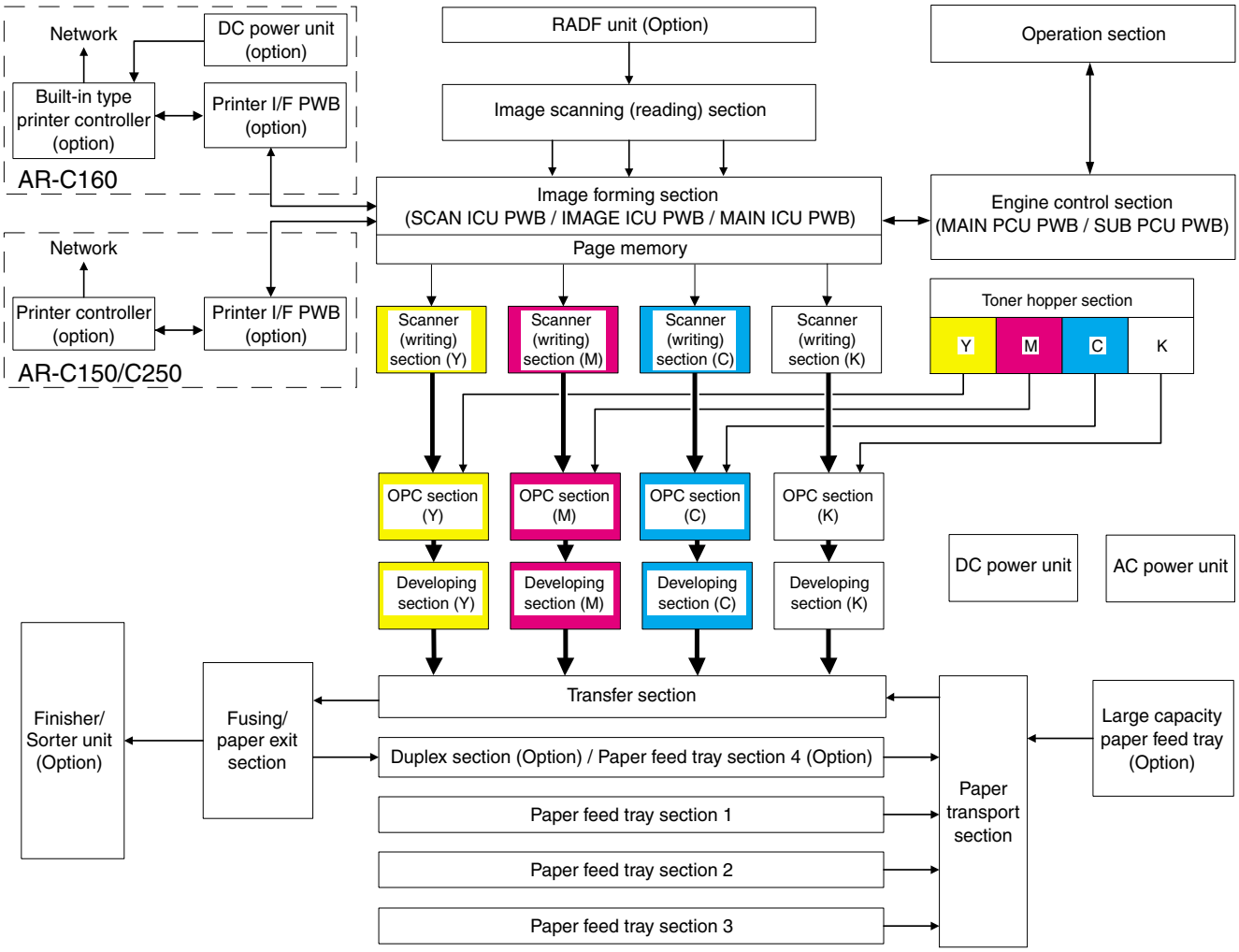
(3) Option combinations

Option		Model	Power source	Note
Item	Model			
Large capacity tray	AR-LC2	AR-C150/C250	Supplied from the copier body.	Outside of Japan only
	AR-LC2N	AR-C150/C250/C160	Supplied from the copier body.	Outside of Japan only
Reversing automatic document feeder	AR-RF1	AR-C150/C250/C160	Supplied from the copier body.	
Duplex module	AR-DU2	AR-C150/C250	Supplied from the copier body.	
	AR-DU2N	AR-C150/C250/C160	Supplied from the copier body.	
500 sheet paper drawer	AR-CS2	AR-C150/C250	Supplied from the copier body.	
	AR-CS2N	AR-C150/C250/C160	Supplied from the copier body.	
20 bin staple sorter	AR-SS2	AR-C150/C250/C160	Supplied from the copier body.	
Department supervision card reader (Japan only)	AR-EC1	AR-C150/C250/C160	Supplied from the copier body.	Japan only
Fiery Printer controller/Printer engine I/F kit	AR-PE1/ AR-PX1/ AR-PX2	AR-C150/C250	Supplied from the copier body. (AR-PX1)	
Fiery printer controller (built-in type, with printer connection kit)/DC power unit	AR-PE2/ AR-PX3/ AR-PX4	AR-C160	Supplied from the exclusive DC power unit.	
Original cover	AR-VR2	AR-C150/C250/C160		Outside of Japan only
Finisher	AR-FN4	AR-C250/C160	Supplied from the copier body	Sorting is disabled in the copy mode.

Item	Model	Finisher	Fiery Printer controller	Department supervision card reader (Japan only)	20 bin staple sorter	LCC (Outside of Japan only)	500 sheet paper drawer	Duplex module	RADF
RADF	AR-RF1	❍	❍	❍	❍	❍	❍	❍	—
Duplex module	AR-DU2	❍	❍	❍	❍	❍	×	—	—
	AR-DU2N	❍	❍	❍	❍	❍	×	—	—
Paper feed tray	AR-CS2	❍	❍	❍	❍	❍	—	—	—
	AR-CS2N	❍	❍	❍	❍	❍	—	—	—
LCC (Outside of Japan only)	AR-LC2	❍	❍	❍	❍	—	—	—	—
	AR-LC2N	❍	❍	❍	❍	—	—	—	—
20 bin staple sorter	AR-SS2	×	❍	❍	—	—	—	—	—
Department supervision card reader (Japan only)	AR-EC1	❍	▲	—	—	—	—	—	—
Fiery Printer controller/Printer I/F kit	AR-PE1/ AR-PX1/ AR-PX2	❍	—	—	—	—	—	—	—
Fiery printer controller (built-in type, with printer connection kit)/DC power unit	AR-PE2/ AR-PX3/ AR-PX4	❍	—	—	—	—	—	—	—
Finisher	AR-FN4	—	—	—	—	—	—	—	—

❍: Possible ×: Not possible ▲: Possible; however, only operational in copy mode (does not operation in printer mode)

2. Block diagram



[2] SPECIFICATIONS

1. Basic specifications

(1) Type

Type	Console

Operation mode	Format
Copy mode	Full-color digital (electronic photographic)

(2) Target users

Mode	Volume of usage	
Copy mode	Scope	5,000 to 20,000 sheets/month
	Average copy volume	8,000 to 12,000 sheets/month

(3) External dimensions

	AR-C150/C250/C160	AR-C100
Packaged	—	—
Main unit	750 × 695 × 1010mm (29.5 × 27.4 × 39.8) (height: floor to glass surface) 750 × 695 × 1060mm (29.5 × 27.4 × 41.7) (height: floor to OC top surface)	725 × 695 × 1010mm (28.5 × 27.4 × 39.8) (height: floor to glass surface) 725 × 695 × 1060mm (28.5 × 27.4 × 41.7) (height: floor to OC top surface)

(4) Weight

	AR-C150/C250/C160	AR-C100
Packaged	About 164.6Kg (363 lbs)	About 167.6Kg (370 lbs)
Main unit	152Kg (335 lbs)	155Kg (342 lbs)

(5) Machine life

Total (copy and print) volume	800,000 sheets
Lifetime	5 years

2. Operating specifications

A. Common operations

(1) Warm-up time/Jam recovery time

a. Warm-up time (ambient temp. of 20°C)

After turned on	AR-C100/C150	Max. 200 seconds
	AR-C250/C160	Max. 330 seconds
Recovery from warm-up mode	AR-C100	130 seconds
	AR-C150/C250/C160	30 seconds

b. Jam recovery time

Jam recovery time	Under 30 seconds (conditions: door open/fusing unit drawn)
	Under 8 seconds (conditions: door open)

B. Copy mode

(1) Document size

Scan mode	Paper type	Location	Dimensions		Paper size		Paper sizes	Note
			Min.	Max.	Min.	Max.		
Original stand mode	AB Series	Japan			B5	A3	A3, B4, A4, A4R, B5, B5R	
		Australia			A5		A3, A4, A4R, A5, 216 × 330mm	
		Other A					A3, B4, A4, A4R, A5	
		Other B			B5		A3, B4, A4, A4R, B5, B5R	
	Inch Series				8.5 × 5.5	11 × 17	11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 8.5 × 5.5	
RADF mode	AB Series	Japan			A5	A3	A3, B4, A4, A4R, B5, B5R, A5	
		Australia					A3, A4, A4R, A5, 216 × 330mm, B4	
		Other A					A3, B4, A4, A4R, A5	
		Other B					A3, B4, A4, A4R, B5, B5R, A5	
	Inch Series				8.5 × 5.5	11 × 17	11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 8.5 × 5.5	

(2) Paper size

Paper type	Dimensions		Paper size		Paper sizes	Note
	Min.	Max.	Min.	Max.		
AB Series	—	—	A6 (A6R) Postcard	A3 wide (305 × 457 mm)	A3 wide (305 × 457 mm) A3, B4, A4, A4R, B5, B5R, A5	
Inch Series	—	—	8.5 × 5.5	12 × 18	12 × 18, 11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 8.5 × 5.5	

(3) Exposure

a. Exposure mode

(AR-C100/C150)

Copy mode				Model	Image process, gradation control	Note
Color		Text/Photo mode	Manual	AR-C100/C150	Area separation, filter process, dither pattern	
			Auto			Color blance, density fixed
		Text mode	Manual	AR-C150		
			Auto			Color blance, density fixed
		Printed Photo mode	Manual	AR-C150	Filter process, dither pattern	
		Photo mode	Manual	AR-C100/C150		
		Map mode	Manual	AR-C150		
Monochrome		Text/Photo mode	Manual	AR-C150	Area separation, filter process, dither pattern	
			Auto (Non pre-scan mode)	AR-C150		Pre-scan can be inhibited with the user program.
			Auto (Pre-scan mode)	AR-C150		
		Text mode	Manual	AR-C150		
			Auto (Non pre-scan mode)	AR-C150		Pre-scan can be inhibited with the user program.
			Auto (Pre-scan mode)	AR-C150		
		Printed Photo mode	Manual	AR-C150	Filter process, dither pattern	
		Photo mode	Manual	AR-C100/C150		
		Map mode	Manual	AR-C100/C150		

(AR-C250)

Copy mode				Model	Image process, gradation control	Note
Color	Copy document mode	Text/Printed Photo mode	Manual	AR-C250	Area separation, filter process, dither pattern	Pre-scan operation allowed
		Printed Photo mode	Manual	AR-C250	Filter process, dither pattern	Pre-scan operation allowed
		Text mode	Manual	AR-C250	Area separation, filter process, dither pattern	Pre-scan operation allowed
	Normal mode	Text mode	Manual	AR-C250	Area separation, filter process, dither pattern	
			Auto			Color balance, density fixed.
		Text/Printed Photo mode	Manual	AR-C250		
			Auto			Color balance, density fixed.
		Printed Photo mode	Manual	AR-C250	Filter process, dither pattern	
		Photo mode	Manual	AR-C250		
		Text/Photo mode	Manual	AR-C250	Area separation, filter process, dither pattern	
			Auto			Color balance, density fixed.
		Map mode	Manual	AR-C250	Filter process, dither pattern	
Monochrome	Copy document mode	Text/Printed Photo mode	Manual	AR-C250	Area separation, filter process, dither pattern	
		Printed Photo mode	Manual	AR-C250	Filter process, dither pattern	
		Text mode	Manual	AR-C250	Area separation, filter process, dither pattern	
	Normal mode	Text mode	Manual	AR-C250	Area separation, filter process, dither pattern	
			Auto (Non pre-scan mode)	AR-C250		Pre-scan oepration can be inhibited with the user program.
			Auto (Pre-scan mode)	AR-C250		
		Text/Printed Photo mode	Manual	AR-C250		
			Auto (Non pre-scan mode)	AR-C250		Pre-scan oepration can be inhibited with the user program.
			Auto (Pre-scan mode)	AR-C250		
		Printed Photo mode	Manual	AR-C250	Filter process, dither pattern	
		Photo mode	Manual	AR-C250		
		Text/Photo mode	Manual	AR-C250	Area separation, filter process, dither pattern	
			Auto (Non pre-scan mode)	AR-C250		Pre-scan oepration can be inhibited with the user program.
			Auto (Pre-scan mode)	AR-C250		
		Map mode	Manual	AR-C250	Filter process, dither pattern	

(AR-C160)

Copy mode				Model	Image process, gradation control	Note
Color	Copy document mode	Text/Printed Photo mode	Manual	AR-C160	Area separation, filter process, dither pattern	Pre-scan operation allowed
		Printed Photo mode	Manual	AR-C160	Filter process, dither pattern	Pre-scan operation allowed
		Text mode	Manual	AR-C160	Area separation, filter process, dither pattern	Pre-scan operation allowed
	Normal mode	Text mode	Manual	AR-C160	Area separation, filter process, dither pattern	
			Auto			Color balance, density fixed.
		Text/Printed Photo mode	Manual	AR-C160		
			Auto			Color balance, density fixed.
		Printed Photo mode	Manual	AR-C160	Filter process, dither pattern	
		Photo mode	Manual	AR-C160		
		Text/Photo mode	Manual	AR-C160	Area separation, filter process, dither pattern	
			Auto			Color balance, density fixed.
		Map mode	Manual	AR-C160	Filter process, dither pattern	
	Color enhancement mode	Text mode	Manual	AR-C160	Area separation, filter process, dither pattern	Pre-scan operation allowed
			Auto			Pre-scan operation allowed
		Text/Printed Photo mode	Manual	AR-C160		Pre-scan operation allowed
			Auto			Pre-scan operation allowed
		Printed Photo mode	Manual	AR-C160	Filter process, dither pattern	Pre-scan operation allowed
		Photo mode	Manual	AR-C160		Pre-scan operation allowed
		Text/Photo mode	Manual	AR-C160	Area separation, filter process, dither pattern	Pre-scan operation allowed
			Auto			Pre-scan operation allowed
		Map mode	Manual	AR-C160	Filter process, dither pattern	Pre-scan operation allowed
Monochrome	Copy document mode	Text/Printed Photo mode	Manual	AR-C160	Area separation, filter process, dither pattern	
		Printed Photo mode	Manual	AR-C160	Filter process, dither pattern	
		Text mode	Manual	AR-C160	Area separation, filter process, dither pattern	
	Normal mode	Text mode	Manual	AR-C160	Area separation, filter process, dither pattern	
			Auto (Non pre-scan mode)	AR-C160		Pre-scan oepration can be inhibited with the user program.
			Auto (Pre-scan mode)	AR-C160		
		Text/Printed Photo mode	Manual	AR-C160		
			Auto (Non pre-scan mode)	AR-C160		Pre-scan oepration can be inhibited with the user program.
			Auto (Pre-scan mode)	AR-C160		
		Printed Photo mode	Manual	AR-C160	Filter process, dither pattern	
		Photo mode	Manual	AR-C160		
		Text/Photo mode	Manual	AR-C160	Area separation, filter process, dither pattern	
			Auto (Non pre-scan mode)	AR-C160		Pre-scan oepration can be inhibited with the user program.
			Auto (Pre-scan mode)	AR-C160		
		Map mode	Manual	AR-C160	Filter process, dither pattern	

Models and copy mode

Models and the copy mode are shown below. The copy mode differs depending on the model.
The copy mode (Note *1) is substantially same as the copy mode (Note *2), and they differ in display.
Since the descriptions on the copy mode of the AR-C250/C160 is the most accurate, refer to it.

Copy mode			AR-C250	AR-C160	AR-C150	AR-C100	Image process, gradation control	NOTE
Color	Copy document mode	Manual	TEXT/ PRINTED PHOTO MODE	TEXT/ PRINTED PHOTO MODE	—	—	Area separation, filter process, dither pattern	Pre-scan operation allowed
		Manual	PRINTED PHOTO MODE	PRINTED PHOTO MODE	—	—	Filter process, dither pattern	Pre-scan operation allowed
		Manual	TEXT MODE	TEXT MODE	—	—	Area separation, filter process, dither pattern	Pre-scan operation allowed
	Normal mode	Manual	TEXT MODE	TEXT MODE	TEXT MODE	—	Area separation, filter process, dither pattern	
		Auto						Color balance, density fixed.
		Manual	TEXT/ PRINTED PHOTO MODE (*1)	TEXT/ PRINTED PHOTO MODE (*1)	TEXT/PHOTO MODE (*2)	TEXT/PHOTO MODE (*2)		
		Auto						Color balance, density fixed.
		Manual	PRINTED PHOTO MODE	PRINTED PHOTO MODE	PRINTED PHOTO MODE	—	Filter process, dither pattern	
		Manual	PHOTO MODE	PHOTO MODE	PHOTO MODE	PHOTO MODE		
		Manual	TEXT/PHOTO MODE	TEXT/PHOTO MODE	—	—	Area separation, filter process, dither pattern	
		Auto						Color balance, density fixed.
		Manual	MAP MODE	MAP MODE	MAP MODE	—	Filter process, dither pattern	
	Color enhancement mode	Manual	—	TEXT MODE	—	—	Area separation, filter process, dither pattern	Pre-scan operation allowed
		Auto						Pre-scan operation allowed
		Manual	—	TEXT/ PRINTED PHOTO MODE (*1)	—	—		Pre-scan operation allowed
		Auto						Pre-scan operation allowed
		Manual	—	PRINTED PHOTO MODE	—	—	Filter process, dither pattern	Pre-scan operation allowed
		Manual	—	PHOTO MODE	—	—		Pre-scan operation allowed
		Manual	—	TEXT/PHOTO MODE	—	—	Area separation, filter process, dither pattern	Pre-scan operation allowed
		Auto						Pre-scan operation allowed
		Manual	—	MAP MODE	—	—	Filter process, dither pattern	Pre-scan operation allowed
Monochrome	Copy document mode	Manual	TEXT/ PRINTED PHOTO MODE	TEXT/ PRINTED PHOTO MODE	—	—	Area separation, filter process, dither pattern	
		Manual	PRINTED PHOTO MODE	PRINTED PHOTO MODE	—	—	Filter process, dither pattern	
		Manual	TEXT MODE	TEXT MODE	—	—	Area separation, filter process, dither pattern	
	Normal mode	Manual	TEXT MODE	TEXT MODE	TEXT MODE	—	Area separation, filter process, dither pattern	
		Auto (Non pre-scan mode)						Pre-scan oepration can be inhibited with the user program.
		Auto (Pre-scan mode)						
		Manual	TEXT/ PRINTED PHOTO MODE (*1)	TEXT/ PRINTED PHOTO MODE (*1)	TEXT/PHOTO MODE (*2)	—		
		Auto (Non pre-scan mode)						Pre-scan oepration can be inhibited with the user program.
		Auto (Pre-scan mode)						
		Manual	PRINTED PHOTO MODE	PRINTED PHOTO MODE	PRINTED PHOTO MODE	—	Filter process, dither pattern	
		Manual	PHOTO MODE	PHOTO MODE	PHOTO MODE	PHOTO MODE		
		Manual	TEXT/PHOTO MODE	TEXT/PHOTO MODE	—	—	Area separation, filter process, dither pattern	
		Auto (Non pre-scan mode)						Pre-scan oepration can be inhibited with the user program.
		Auto (Pre-scan mode)						
		Manual	MAP MODE	MAP MODE	MAP MODE	MAP MODE	Filter process, dither pattern	

b. Relationship between pre-scan operations and the copy mode

Copy mode		Color Copy			B/W Copy	
		COPY OF COPY mode ON	COPY OF COPY mode OFF	Color enhancement mode (AR-C160 only)	COPY OF COPY mode ON	COPY OF COPY mode OFF
AUTO	TEXT/ PRTD.PHOTO	NO (Switch to Manual mode)	YES	YES	NO (Switch to Manual mode)	YES
	TEXT/PHOTO	NO (Switch to Manual mode)	YES	YES	NO (Switch to Manual mode)	YES
	TEXT	NO (Switch to Manual mode)	YES	YES	NO (Switch to Manual mode)	YES
MANUAL	TEXT/ PRTD.PHOTO	YES	YES	YES	YES	YES
	TEXT/PHOTO	NO Key is not displayed	YES [COPY OF COPY] key is not displayed	YES	NO Key is not displayed	YES [COPY OF COPY] key is not displayed
	PRINTED PHOTO	YES	YES	YES	YES	YES
	PHOTO	NO Key is not displayed	YES [COPY OF COPY] key is not displayed	YES	NO Key is not displayed	YES [COPY OF COPY] key is not displayed
	TEXT	YES	YES	YES	YES	YES
	MAP	NO Key is not displayed	YES [COPY OF COPY] key is not displayed	YES	NO Key is not displayed	YES [COPY OF COPY] key is not displayed

c. Resolution

• Read

Main scanning direction	Sub scanning direction
Basic resolution	Basic resolution
600dpi	600dpi

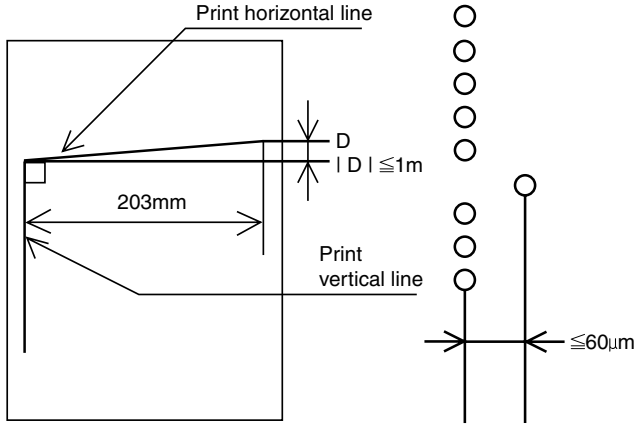
• Write

Main scanning direction	Sub scanning direction
Basic resolution	Basic resolution
600dpi	600dpi

d. Gradation/image processing

Scanning	Printing
256 gradations (8bit)	256 gradations (8bit)

e. Distortion



f. Toner save mode

Toner save percentage	Approx 15%	∗ Can only be set for monochrome mode (set by key operator) (Set by simulation in Japan and the U.K.)

(4) Copy magnification

a. Copy magnification (independent magnification by direction is possible)

Main scanning direction		Sub scanning direction	
Mode	Magnification range/fixed magnification	Mode	Magnification range/fixed magnification
Zoom mode	25/50 to 400% ∗	Zoom mode	25/50 to 400%
Fixed magnification mode (AB Series)	25, 50, 70, 81, 86, 100, 115, 122, 141, 200, 400%	Fixed magnification mode (AB Series)	25, 50, 70, 81, 86, 100, 115, 122, 141, 200, 400%
Fixed magnification mode (Inch Series)	25, 50, 64, 77, 95, 100, 121, 129, 141, 200, 400%	Fixed magnification mode (Inch Series)	25, 50, 64, 77, 95, 100, 121, 129, 141, 200, 400%

∗ The minimum copy magnification for the AR-C100 is 50%.

b. Copy magnification precision

Main scanning direction		Sub scanning direction	
Copy magnification	Magnification precision	Copy magnification	Magnification precision
Normal copy	100% ± 0.8%	Normal copy	100% ± 0.8%
Enlargement copy	Set magnification ± 1.0%	Enlargement copy	Set magnification ± 1.0%
Reduction copy	Set magnification ± 1.0%	Reduction copy	Set magnification ± 1.0%

c. Zoom method

Main scanning direction	Performed through image processing
Sub scanning direction	Performed by changing image processing and scanning speed

(5) Job speed

Copy method for each copy mode

	Black-and-white copy		Color copy		A3 wide copy
	Up to A4/LT	B4/RG to A3/WLT	Up to A4/LT	B4/RG to A3/WLT	
Single-side copy	1 scan/ multi-copy	1 scan/multi-copy	Multi scan/copy (AR-C150/C160) 1 scan/multi copy (AR-C250)	Multi scan/copy (AR-C150/C160) 1 scan/multi copy (AR-C250)	1 scan/multi copy (B&W) (AR-C250) Multi scan/copy (color) (AR-C250) Multi scan/copy (color/B&W) (AR-C150/C160)
Duplex copy	1 scan/ multi-copy	Multi scan/copy * (AR-C150/ C160) 1 scan/multi copy (AR-C250)	Multi scan/copy * (AR-C150/C160) 1 scan/multi copy (AR-C250)	Multi scan/copy *	—

* No multi-copy mode, only single copy

a. First copy time

• Original stand mode (non SPF/ADF/RADF mode) (Unit: sec.)

Paper supply mode	Paper size	Color			Monochrome	
		AR-C150	AR-C160	AR-C250	AR-C150	AR-C160/C250
Manual paper feed	8.5 × 11, A4 (Normal paper)	9.8			19.5	
	A4, 11 × 8.5 (OHP)	84.8			94.5	
	B5, A4, 11 × 8.5 (thick paper)	69.8	—		79.5	
	B5, A4, 11 × 8.5 (thick paper) (Mode 1) (106 –130g/m ^{2})	—	69.8		—	79.5
	B5, A4, 11 × 8.5 (thick paper) (Mode 2) (131 –200g/m ^{2}) (131 –280g/m ^{2}: AR-C160)	—	119.8		—	129.5
1st paper feed tray	A4	10.5	9.8	10.2	19.5	
	8.5 × 11	10.5	9.8	10.2	19.5	
2nd paper feed tray	A4	11.3	10.4	11.1	20.3	
	8.5 × 11	11.3	10.4	11.1	20.3	
3rd paper feed tray	A4	12.2	11.0	12.0	21.2	
	8.5 × 11	12.2	11.0	12.0	21.2	
4th paper feed tray	A4	13.1	11.6	12.9	22.1	
	8.5 × 11	13.1	11.6	12.9	22.1	
LCC	A4	10.2	9.8	10.2	19.5	
	8.5 × 11	10.2	9.8	10.2	19.5	

∗ 1st paper feed tray is installed for optional slot.

b. Multi-copy speed

(Conditions) Scanner speed: 15 cpm, using A4/letter standard paper, and no prescan
(Conditions) S → S color: One copy of A4 (L1) original (10 sheets), no optional settings other than RADF, and not including fast copy

(AR-C150)

Copy mode		Paper size	Color			Monochrome		
			1 scan: 1 copy			1 scan: Multiple copy		
			Copy magnification			Copy magnification		
			Reduction copy (25%)	Normal copy (100%)	Enlargement copy (400%)	Reduction copy (25%)	Normal copy (100%)	Enlargement copy (400%)
Original stand mode	S → S (1 –3 paper feed tray)	A3	7	7	6	13	13	13
		A3 wide (12 × 18) (∗1)	7	7	6	7	7	7
		B4	9	9	8	15	15	15
		A4	15	15	12	25 (24)	25 (24)	25 (24)
		A4R	11	11	10	19	19	19
		A5	15	15	12	25	25	25
		B5	15	15	12	25	25	25
		B5R	11	11	10	19	19	19
		11 × 17	7	7	6	13	13	13
		8.5 × 14	9	9	8	15	15	15
		8.5 × 11	15	15	12	25	25	25
		8.5 × 11R	11	11	10	19	19	19
		8.5 × 5.5	15	15	12	25 (24)	25 (24)	25 (24)
		8.5 × 13/F.S	9	9	8	15	15	15
		A4, 11 × 8.5 (OHP)	10	10	10	10	10	10
		B5, A4, 11 × 8.5 (thick paper)	10	10	10	10	10	10
		Other than B5, A4, 11 × 8.5 (thick paper)	5	5	5	5	5	5

The numbers in the parenthesis are the copy speeds when the 4th paper cassette is used.

(AR-C250)

Copy mode		Paper size	Color			Monochrome		
			1 scan: Multiple copy (1 scan: 1 copy)			1 scan: Multiple copy		
			Copy magnification			Copy magnification		
			Reduction copy (25%)	Normal copy (100%)	Enlargement copy (400%)	Reduction copy (25%)	Normal copy (100%)	Enlargement copy (400%)
Original stand mode	S → S (1 –3 paper feed tray)	A3	13	13	13	13	13	13
		A3 wide (12 × 18) (∗1)	7	7	7	7	7	7
		B4	15	15	15	15	15	15
		A4	25 (24)	25 (24)	25 (24)	25 (24)	25 (24)	25 (24)
		A4R	19	19	19	19	19	19
		A5	25 (∗26)	25 (∗26)	25 (∗26)	25 (∗26)	25 (∗26)	25 (∗26)
		B5	25 (∗26)	25 (∗26)	25 (∗26)	25 (∗26)	25 (∗26)	25 (∗26)
		B5R	19	19	19	19	19	19
		11 × 17	13	13	13	13	13	13
		8.5 × 14	15	15	15	15	15	15
		8.5 × 11	25 (24)	25 (24)	25 (24)	25 (24)	25 (24)	25 (24)
		8.5 × 11R	19	19	19	19	19	19
		8.5 × 5.5	25 (∗26)	25 (∗26)	25 (∗26)	25 (∗26)	25 (∗26)	25 (∗26)
		8.5 × 13/F.S	15	15	15	15	15	15
		A4, 11 × 8.5 (OHP)	10	10	10	10	10	10
		B5, A4, 11 × 8.5 (thick paper)	10	10	10	10	10	10
		Other than B5, A4, 11 × 8.5 (thick paper)	5	5	5	5	5	5

The numbers in the parenthesis are the copy speeds when the 4th paper cassette is used.
(∗1): 1 scan: 1 copy

∗: Only for Taiwan version

(AR-C160)

Copy mode		Paper size	Color			Monochrome		
			1 scan:1 copy			1 scan:Multiple copy		
			Copy magnification			Copy magnification		
			Reduction copy (25%)	Normal copy (100%)	Enlargement copy (400%)	Reduction copy (25%)	Normal copy (100%)	Enlargement copy (400%)
Original stand mode	S → S (1 –3 paper feed tray)	A3	7	7	6	15	15	15
		A3 wide (12 × 18) (∗1)	7	7	6	7	7	7
		B4	9	9	8	17	17	17
		A4	16	16	12	32 (31)	32 (31)	32 (31)
		A4R	11	11	10	22	22	22
		A5	16	16	12	32 (∗33)	32 (∗33)	32 (∗33)
		B5	16	16	12	32 (∗33)	32 (∗33)	32 (∗33)
		B5R	11	11	10	22	22	22
		11 × 17	7	7	6	15	15	15
		8.5 × 14	9	9	8	17	17	17
		8.5 × 11	16	16	12	32 (31)	32 (31)	32 (31)
		8.5 × 11R	11	11	10	22	22	22
		8.5 × 5.5	16	16	12	32 (∗33)	32 (∗33)	32 (∗33)
		8.5 × 13/F.S	9	9	8	17	17	17
		A4, 11 × 8.5 (OHP)	10	10	10	10	10	10
		B5, A4, 11 × 8.5 (thick paper)	10	10	10	10	10	10
		Other than B5, A4, 11 × 8.5 (thick paper)	5	5	5	5	5	5

The numbers in the parenthesis are the copy speeds when the 4th paper cassette is used.

∗: Only for Taiwan version

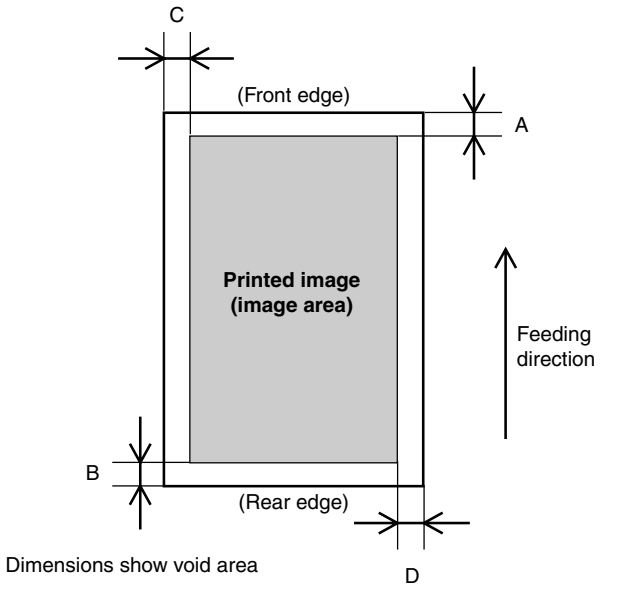
c. Maximum no. of copies

Multi max. quantity	999 sheets

• Maximum number of copies that can be set for each copy mode

	Black-and-white copy		Color copy		A3 wide copy
	Up to A4/LT	B4/RG to A3/WLT	Up to A4/LT	B4/RG to A3/WLT	
Single-side copy	999	999	999	999	999
Duplex copy	999	1 (AR-C150/C160) 999 (AR-C250)	1 (AR-C150/C160) 999 (AR-C250)	1	—

(6) Copy area



Dimensions show void area

Copy area	297 × 432mm

• Image loss

	Front edge (A)	Rear edge (B)	Total (C + D)	Left edge (C)	Right edge (D)
One side copy (excluding A3 (11 × 17))	Max. 5mm	Max. 5mm	Max. 6mm	Max. 3.0mm	Max. 3.0mm
One side copy for A3 (11 × 17)	Max. 5mm	Max. 7mm	Max. 6mm	Max. 3.0mm	Max. 3.0mm
Duplex copying	Max. 5mm	Max. 7mm	Max. 6mm	Max. 3.0mm	Max. 3.0mm
OHP copying	Max. 10mm	Max. 10mm	Max. 6mm	Max. 3.0mm	Max. 3.0mm

* 0mm image loss for A3 originals and A3 wide copying.

• Void area

	Front edge (A)	Rear edge (B)	Total (C + D)	Left edge (C)	Right edge (D)
One side copy (excluding A3 (11 × 17))	Max. 5mm	Max. 5mm	Max. 6mm	Max. 3.0mm	Max. 3.0mm
One side copy for A3 (11 × 17)	Max. 5mm	Max. 7mm	Max. 6mm	Max. 3.0mm	Max. 3.0mm
Duplex copying	Max. 5mm	Max. 7mm	Max. 6mm	Max. 3.0mm	Max. 3.0mm
OHP copying	Max. 10mm	Max. 10mm	Max. 6mm	Max. 3.0mm	Max. 3.0mm

(7) Languages supported

Japanese, English (USA/UK), German, French, Spanish, Italian, Dutch, Swedish, Norwegian, Finnish, Danish

(8) Internal auditor

Format	Key operation/card operation (optional)
No. of departments	400 (200 with card type)

3. Engine specifications

A. Operation (display/operation) section

Display	Large mono-color LCD display (AR-C150/C160) Large color LCD display (AR-C250)
Operating procedure	Touch-panel input

B. Paper feeding, paper conveyance, and discharge section

(1) Paper feeding performance

a. Paper feed ability

Paper feed mode (section)	Feed method	Paper type	Location	Dimensions		Paper size			Paper weight	Capacity	Note
				Min.	Max.	Min.	Max.	Paper sizes			
Manual feed section (Multi paper feed)	—	AB Series	Japan	—	—	A6 (A6R) Postcard	A3 wide (12 × 18)	A3 wide, A3, B4, A4, A4R, B5, B5R, A5, Postcard, 11 × 17, 8.5 × 14, 8.5 × 11 (Paper guide display: 11, 8.5, A3 wide, A3, B4, A4, A4R, B5, B5R, A5, A5R, B6R, A6R, Postcard)	60 to 200g/m^2 (16 to 55lbs.) (AR-C150/ C250) 60 to 280g/m^2 (16 to 75 lbs) (AR-C160)	50 sheets (6mm) (max. 80g/m^2 paper)	Special paper (OHP film), (recommended product), Postcard and thick paper
			Others					A3 wide, A3, B4, A4, A4R, B5, A5, A6R, 11 × 17, 8.5 × 14, 8.5 × 11, 7.25 × 10.5R (Paper guide display: 11, 8.5, A3 wide, A3, B4, B5, A4R, A5, B5R, A5R)			Special paper (OHP film) and thick paper
		Inch Series		—	—	8.5 × 5.5	12 × 18	12 × 18, 11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 8.5 × 5.5, 7.25 × 10.5R, A3, B4, A4, B5, A6R (Paper guide display: 12, 11, 8.5, 5.5, A3, B4, A4, B5)			

Paper feed mode (section)	Feed method	Paper type	Location	Dimensions		Paper size			Paper weight	Capacity	Note
				Min.	Max.	Min.	Max.	Paper sizes			
Manual feed section (Single paper feed)	—	AB Series	Japan	—	—	A6 (A6R) Postcard	A3 wide (12 × 18)	A3 wide, A3, B4, A4, A4R, B5, B5R, A5, Postcard, 11 × 17, 8.5 × 14, 8.5 × 11 (Paper guide display: 11, 8.5, A3 wide, A3, B4, A4, A4R, B5, B5R, A5, A5R, B6R, A6R, Postcard)	60 to 200g/m^2 (16 to 55lbs.) (AR-C150/ C250) 60 to 280g/m^2 (16 to 75lbs.) (AR-C160)	50 sheets (6mm) (max. 80g/m^2 paper)	Special paper (OHP film), Postcard and thick paper
			Others					A3 wide, A3, B4, A4, A4R, B5, A5, A6R, 11 × 17, 8.5 × 14, 8.5 × 11, 7.25 × 10.5R (Paper guide display:)			Special paper (OHP film) and thick paper
		Inch Series		—	—	8.5 × 5.5	12 × 18	12 × 18, 11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 8.5 × 5.5, 7.25 × 10.5R, A3, B4, A4, B5, A6R (Paper guide display: 12, 11, 8.5, 5.5, A3, B4, A4, B5)			
1st to 4th cassette feeding unit	—	AB Series	Japan	—	—	A5	A3	A3, B4, A4, A4R, B5, B5R, A5, EXTRA	60 to 105g/m^2 (16 to 28lbs.)	500 sheets × 3 (4) (max. 80g/m^2 paper)	
			Others					A3, B4, A4, A4R, B5, A5, 8.5 × 11		500 sheets × 3 (4) (max. 80g/m^2 paper)	
		Inch Series		—	—	8.5 × 5.5	11 × 17	11 × 17, 8.5 × 14, 8.5 × 13, 8.5 × 11, 8.5 × 11R, 8.5 × 5.5, A4, EXTRA			

b. Document detection

Paper feed mode (section)	Paper type	Location of use	Detection size	Paper detection size and detection method	Size switching method	Note
Manual feed section	AB Series	Japan	A3 wide, A3, B4, A4, A4R, B5, B5R, A5, Postcard, 11 × 17, 8.5 × 14, 8.5 × 11	Electrical resistance changes according to position of paper width guide (volume sensor)	Aligns with paper width guide (sliding type)	
		Others	A3 wide, A3, B4, A4, A4R, B5, A5, A6R, 11 × 17, 8.5 × 14, 8.5 × 11, 7.25 × 10.5R			
	Inch Series		12 × 18, 11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 8.5 × 5.5, A3, B4, A4, B5, A6R, 7.25 × 10.5R			
1st to 4th cassette feeding unit	AB Series	Japan	A3, B4, A4, A4R, B5, B5R, A5, EXTRA	Detection method by switch signal combination (switches paper detection block position)	Aligns universal guide (sliding type)	Remaining amount detector
		Others	A3, B4, A4, A4R, B5, A5, 8.5 × 11, EXTRA			
	Inch Series		11 × 17, 8.5 × 14, 8.5 × 13, 8.5 × 11, 8.5 × 11R, 8.5 × 5.5, A4, EXTRA			

∗ When setting the paper size switch to EXTRA, it is necessary to set the paper size by key operation.

∗ For A and B sizes (excluding Japan), it is necessary to set the paper size switch to EXTRA for 13" and B5R.

(2) Finishing performance

Facing mode	Paper size	Paper weight	Capacity	Note
Face up	All paper sizes	All paper sizes that can be fed	250 sheets	

C. Scanner section

(1) Type

Scanning method	By 3-color (RGB) CCD image sensor

(2) Original standard position, scanning size, and scanning area

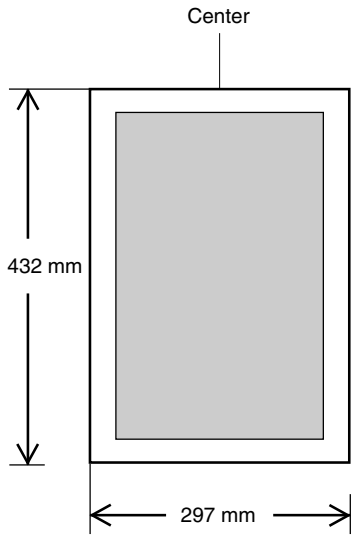
a. Original standard position

Left-center

b. Scanning size

Max. original size	AB Series	A3
	Inch Series	11 × 17

c. Scanning area



(3) Resolution

Main scanning direction	Sub scanning direction
Basic resolution	Basic resolution
600dpi	600dpi

(4) Gradation

	Input	Output
Monochrome	256 gradations (8bit)	256 gradations (8bit)
Color	256 gradations (8bit)	256 gradations (8bit)

(5) Scanning speed

Scan mode	Scan	Return	Scans per minute	Original size	
				A4 (11" × 8.5")	A3 (11" × 17")
Color	117 mm/sec	468 mm/sec	15 sheets/min 16 sheets/min (AR-C160)	15 sheets/min 16 sheets/min (AR-C160)	7 sheets/min
Monochrome	117 mm/sec	468 mm/sec	15 sheets/min 16 sheets/min (AR-C160)	15 sheets/min 16 sheets/min (AR-C160)	7 sheets/min

(6) Light source

Type	Halogen lamp
Drive voltage	70V
Power consumption	130W (AR-C150) 170W (AR-C250/C160)

(7) Scanning sensor

Type	3-line color CCD

(8) Color separation method

Color separation by 3-color (RGB) CCD image sensor

D. Scanner section

(1) Type

Type	Laser scanning

(2) Laser unit specifications

Speed of rotation	27,600rpm (AR-C150/C250) Color mode 27,600rpm (AR-C160) Monochrome mode 33,000rpm (AR-C160)
Mirror surfaces	6 surfaces
Laser power	5mW
Laser beam size	65 × 85μm (AR-C150/C250) 60 × 70μm (AR-C160)
Laser wavelength	785μm
Scan width (sub scan direction)	AB Series: 420mm Inch Series: 432mm

(3) Resolution

Main scanning direction	Sub scanning direction
600dpi	600dpi

(4) Gradation

Monochrome	256 gradations (8bit)
Color	256 gradations (8bit)

E. Image processing section

(1) Imaging speed

117 mm/sec

(2) Photosensitive drum

		Black (AR-C160 only)
Type	OPC ϕ40mm (3 pieces) (C, M, Y) (AR-C160) OPC ϕ40mm (4 pieces) (C, M, Y, K) (AR-C150/C250)	OPC ϕ40mm (1 pieces) (K)
Life	40,000 sheets	80,000 sheets
Form	Cartridge	Cartridge

(3) Toner

	Black	Color (C, M, Y)
Type	—	
Capacity	600g (AR-C150/C250) 650g (AR-C160/C250)	267g each (AR-C150) 300g each (AR-C250/C160)
Form	Cartridge	

(4) Developer

	Black	Color (C, M, Y)
Type	Ferrite type	
Capacity	650g	650g each
Life	40,000 sheets (AR-C150/C250) 80,000 sheets (AR-C160)	40,000 sheets each

(5) Charging system

Charging system	DC negative scorotron (saw tooth electrode)
Voltage	–320V to –830V

(6) Exposure

Method	Exposure from laser diode

(7) Developing system

Developing system	Dry, 2-component magnetic brush development
Voltage	–120V to –600V

(8) Transfer

Method	DC positive static electricity transfer (transfer belt method)
Voltage	1.75 to 5KV

(9) Paper separation system

Method	Curvature release + Separation pawl

(10) Discharging

Method	Discharging lamp method

(11) Cleaning

Method	Blade method

(12) Toner compartment capacity

	Black	Color (C, M, Y)
Capacity	600g (AR-C150/C250) 650g (AR-C160)	267g (AR-C150) 300g (AR-C250/C150/C160)

(13) Waste toner collector capacity

Capacity	—
Printed sheets	40K (Conditions of each color 5% coverage, total 20% coverage)

(14) Correction functions

Correction functions	Toner density correction (toner density control level correction)
	Drum sensitivity correction (laser power control level correction)
	Transfer-ability correction (transfer voltage control level correction)
	Developing-ability correction (developing bias voltage control level correction)
	Halftone correction (laser power duty control level correction)

F. Fuser section

(1) Type

Fusing system	Heat roller system (oil usage)

(2) Lamp

Main unit voltage ratings	Lamp	Type	Lamp rating	
			Voltage	Power consumption
100V	Main heater lamp	Halogen lamp	100V	1000W
	Sub heater lamp	Halogen lamp	100V	700W
110V	Main heater lamp	Halogen lamp	—	—
	Sub heater lamp	Halogen lamp	—	—
120V	Main heater lamp	Halogen lamp	120V	1200W
	Sub heater lamp	Halogen lamp	120V	700W
127V	Main heater lamp	Halogen lamp	—	—
	Sub heater lamp	Halogen lamp	—	—
220 to 230V	Main heater lamp	Halogen lamp	230V	1300W
	Sub heater lamp	Halogen lamp	230V	700W
240V	Main heater lamp	Halogen lamp	230V	1300W
	Sub heater lamp	Halogen lamp	230V	700W

(3) Fuser temperature

(AR-C100/C150)

Mode			Control temperature									NOTE
			U.S.A	Canada	Inch	Japan	AB_B	Europe	U.K	Aus.	AB_A	
Ready condition	Ready condition control temperature (HL1)	Upper heat roller	187	187	187	177	177	187	187	187	187	
	Ready condition control temperature (HL2)	Lower heat roller	142	142	142	132	132	142	142	142	142	
Copy/Print mode	Normal mode control temperature (HL1)	Upper heat roller	180	180	180	170	170	180	180	180	180	
	Normal mode control temperature (HL2)	Lower heat roller	135	135	135	125	125	135	135	135	135	
	Thick paper mode control temperature (HL1)	Upper heat roller	200	200	200	200	200	200	200	200	200	AR-C150 only
	Thick paper mode control temperature (HL2)	Lower heat roller	155	155	155	155	155	155	155	155	155	AR-C150 only
	OHP mode control temperature (HL1)	Upper heat roller	180	180	180	180	180	180	180	180	180	AR-C150 only
	OHP mode control temperature (HL2)	Lower heat roller	175	175	175	175	175	175	175	175	175	AR-C150 only
Pre-heat mode	Energy saving mode control temperature (HL1)	Upper heat roller	140	140	140	140 (137)	140	140	140	140	140	( ) AR-C100
	Control temperature when resetting from pre-heat to B/W (HL1)	Upper heat roller	155	155	155	155 (152)	155	155	155	155	155	( ) AR-C100
Sleep mode	HL1	Upper heat roller	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
	HL2	Lower heat roller	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	

(AR-C250/C160)

Mode			Control temperature									NOTE
			U.S.A	Canada	Inch	Japan	AB_B	Europe	U.K	Aus.	AB_A	
Ready condition	Ready condition control temperature (HL1)	Upper heat roller	177	177	177	177	177	177	177	177	177	
	Ready condition control temperature (HL2)	Lower heat roller	132	132	132	140 (132)	140 (132)	132	132	132	132	( ) AR-C160
Copy/Print mode	Normal mode control temperature (HL1)	Upper heat roller	170	170	170	170	170	170	170	170	170	
	Normal mode control temperature (HL2)	Lower heat roller	125	125	125	140 (125)	140 (125)	125	125	125	125	( ) AR-C160
	Thick paper mode 1 control temperature (HL1)	Upper heat roller	185	185	185	185	185	185	185	185	185	
	Thick paper mode 1 control temperature (HL2)	Lower heat roller	155	155	155	155	155	155	155	155	155	
	Thick paper mode 2 control temperature (HL1)	Upper heat roller	200	200	200	200	200	200	200	200	200	
	Thick paper mode 2 control temperature (HL2)	Lower heat roller	155	155	155	155	155	155	155	155	155	
	OHP mode control temperature (HL1)	Upper heat roller	180	180	180	180	180	180	180	180	180	
	OHP mode control temperature (HL2)	Lower heat roller	175	175	175	175	175	175	175	175	175	
Pre-heat mode	Energy saving mode control temperature (HL1)	Upper heat roller	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	( ) AR-C160
	Control temperature when resetting from pre-heat to B/W (HL1)	Upper heat roller	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	( ) AR-C160
Sleep mode	HL1	Upper heat roller	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
	HL2	Lower heat roller	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	

(4) Heat roller

Type	Silicone rubber roller	ϕ40mm (AR-C150) ϕ50mm (AR-C250/C160)
Life	40K	

(5) Pressure roller

Type	Silicone rubber roller	ϕ40mm (AR-C150) ϕ50mm (AR-C250/C160)
Life	40K	

(6) Release method

Forced release by releasing tabs

G. Drive section

Drive section	Motor name	Motor type
Toner hopper (C, M, Y, K)	Toner motor (Y, M, C, K)	Synchronous motor
Photosensitive drum (C, M, Y, K)	Drum motor (Y, M, C, K)	Stepping motor
Image scanner	Scanner motor	Stepping motor
Developing (C, M, Y, K)	Developing motor (Y, M, C, K)	DC brush-less motor
Paper feed and conveyance	Paper feed motor	DC brush-less motor
Transfer belt	Transfer belt motor	Stepping motor
Fusing	Fusing motor	DC brush-less motor

H. Engine controller

Processor	M68334

I. Image processing controller

Processor	MCF5202

J. Memory

Type	Capacity	Memory contents	Location
DRAM	128MB (AR-C150/C160) 256MB (AR-C250)	Image data	ICU MAIN PWB
Flash ROM	32Mbit	Program data	ICU MAIN PWB
	16Mbit (AR-C150/C250/C160) 8Mbit (AR-C100)	Program data	PCU PWB
	16Mbit (AR-C150/C160) 16Mbit × 2 (AR-C250)	Program data	Operation control PWB
EEPROM	64Kbit (AR-C100) 256Kbit (AR-C150/C160/C250)	Setting, adjustment, counter data, etc.	PCU PWB
	64Kbit	Setting, adjustment, counter data, etc.	ICU MAIN PWB

K. Power source

(1) DC power supply

(AR-C150/C250)

Type		Output		
		Voltage	Capacity (current)	Note
DC power supply	Main	24V	15A	
		5.1V	7.5A	
		3.4V	5.5A	
	Sub	26V	0.5A	
		5V2	1.1A	
		5Vs	0.1A	

(AR-C160)

Type	Output		
	Voltage	Capacity (current)	Note
DC power supply	24V	15A	
	5.1V	7.5A	
	3.4V	5.5A	

(2) Dehumidifier functionality

Section	Paper conveyor section (Japan only)	Image scanner section (optional outside of Japan)
Method	Surface heater * With ON/OFF switch	Surface heater

(3) Operating voltage/power consumption

(AR-C150/C250)

Power supply voltage/ frequency		Power consumption							
		Main unit				With full options			
		Preheat condition	Ready condition	Sleep mode condition	Max.	Preheat condition	Ready condition	Sleep mode condition	Max.
100V	50/60Hz	Max. 101W	—	Max. 10W	1500W	—	—	—	1500W
110V	50/60Hz	Max. 101W	—	Max. 10W	1500W	—	—	—	1500W
120V	50/60Hz	Max. 101W	—	Max. 10W	1500W	—	—	—	1500W
127V	50/60Hz	Max. 101W	—	Max. 10W	1500W	—	—	—	1500W
220 to 230V	50/60Hz	Max. 101W	—	Max. 10W	1800W	—	1175W	—	1800W
240V	50/60Hz	Max. 101W	—	Max. 10W	1800W	—	1325W	—	1800W

(AR-C160)

Power supply voltage/ frequency		Power consumption							
		Main unit				With full options			
		Preheat condition	Ready condition	Sleep mode condition	Max.	Preheat condition	Ready condition	Sleep mode condition	Max.
100V	50/60Hz	Max. 128.2wh	—	Max. 15W	1500W	—	—	—	1500W
110V	50/60Hz	Max. 128.2wh	—	Max. 15W	1500W	—	—	—	1500W
120V	50/60Hz	Max. 128.2wh	—	Max. 15W	1500W	—	—	—	1500W
127V	50/60Hz	Max. 128.2wh	—	Max. 15W	1500W	—	—	—	1500W
220 to 230V	50/60Hz	Max. 128.2wh	—	Max. 15W	1800W	—	1175W	—	1800W
240V	50/60Hz	Max. 128.2wh	—	Max. 15W	1800W	—	1325W	—	1800W

4. Safety and environmental protection standards

A. Safety standards

Item	Standard	Country
Safety standards	S mark (Electrical regulations)	Japan
	UL	U.S.A
	SEMKO	Sweden
	GS Mark	Germany
Environmental standards	FCC	U.S.A
	VCCI	Japan
	CE	Europe
	C-tick	Australia

B. Environmental standards

(1) Power consumption and environmental standards

Item	Standard	Country
Power consumption	Energy Star	Japan, U.S.A, Europe
	ECP, Nordic	Canada
Environmental standards	Swan, Nordic	Sweden

(2) Ozone level

Max. 0.02mg/m^3

(3) Noise level

Noise mode	Main unit		
	During operation	Ready condition	Sleep mode condition
Noise power level	Max. 66dB	Max. 40dB	—
Noise pressure level	—	—	—

5. Ambient conditions

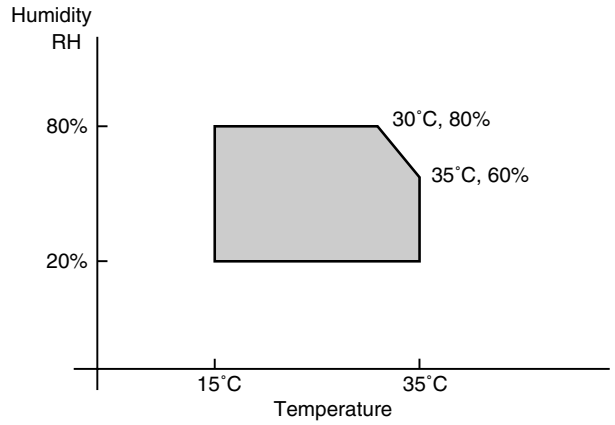
A. Space required

(1) Area required

	AR-C150/C160/C250	AR-C100
Main unit	1412 × 695mm (55.6" × 27.4")	1220 × 695mm
With full options	(With AR-SS2) 1504 × 695mm (59.2" × 27.4") (With AR-FN4) 1690 × 695mm (66.6" × 27.4")	—

B. Operating ambient conditions

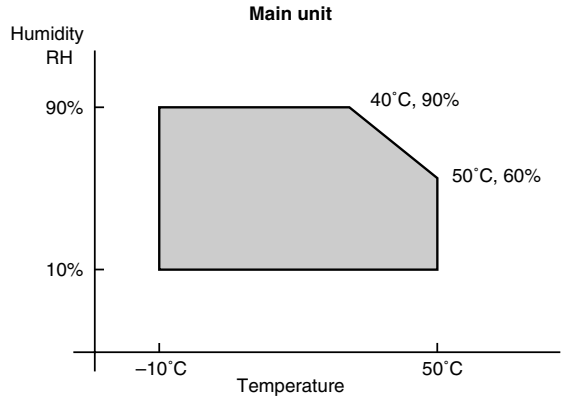
(1) Temperature/Humidity

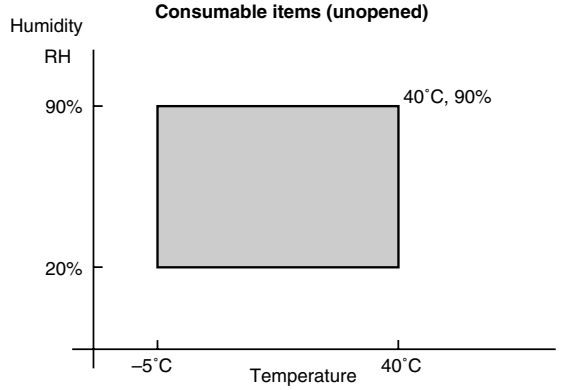


(2) Power supply voltage and frequency

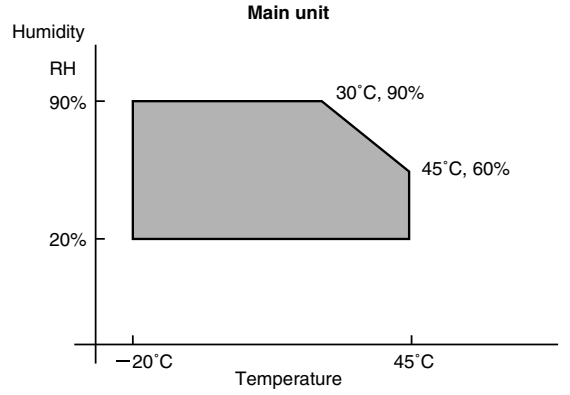
Power supply voltage	Rated voltage ± 10%
Power supply frequency	Rated frequency ± 2%

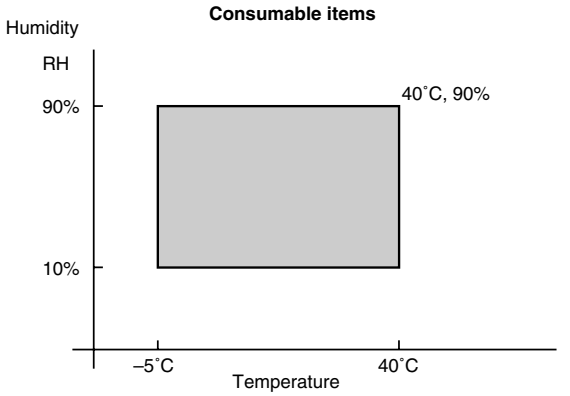
C. Ambient storage conditions





D. Ambient conditions for transporting





E. Standard temperature and humidity

Temperature	20 to 25°C
Humidity	65 ± 5%

[3] CONSUMABLE PARTS

1. Consumable parts list

AR-C150 Supply List (U.S.A./CANADA)

	NAME	CONTENT(S)	LIFE Note 1)	Model	DIMENSIONS (W × D × H): mm /WHIGHT: kg	INCOMPATIBILITY	REMARK
1	Color Toner (cyan)	"Toner Cartridge (cyan) (267g), Instruction Sheet" × 10	4K Note 1) × 10	AR-C15MT6	329 × 590 × 218/5.62	A	(AR-C15NT6) × 10 = AR-C15MT6
2	Color Toner (magenta)	"Toner Cartridge (magenta) (267g), Instruction Sheet" × 10	4K Note 1) × 10	AR-C15MT7	329 × 590 × 218/5.62	A	(AR-C15NT7) × 10 = AR-C15MT7
3	Color Toner (yellow)	"Toner Cartridge (yellow) (267g), Instruction Sheet" × 10	4K Note 1) × 10	AR-C15MT8	329 × 590 × 218/5.62	A	(AR-C15NT8) × 10 = AR-C15MT8
4	Toner (black)	"Toner Cartridge (black) (600g), Instruction Sheet" × 10	8K Note 1) × 10	AR-C15MT1	429 × 610 × 246/10.97	A	(AR-C15NT1) × 10 = AR-C15MT1 The AR-C25MT1 or AR-C16MT1 can be used.
5	Color Developer kit	[Developer (cyan × 1, magenta × 1, yellow × 1) (650g each) × 3	40K each × 3	AR-C15MD9	294 × 391 × 170/7.71		(AR-C15ND9) × 3 = AR-C15MD9
6	Black Developer kit	[Developer (black) (650g) × 1 × 10	40K × 10	AR-C15MD1	204 × 391 × 290/9.10		(AR-C15ND1) × 10 = AR-C15MD1
7	Drum Unit	Drum Unit × 1 (Drum/Unit Parts included) × 1 Color Seal (C, M, Y, Bk each × 2)	40K	AR-C15DU	402 × 568 × 198/6.73		Not applicable for AR-C250, AR-C160
8	Drum Kit	Drum × 1 Cleaning Blade × 1 Toner Receiving Seal × 1 Charger Unit × 1 Color Seal (C, M, Y, Bk each × 1)	40K	AR-C15DK	418 × 146 × 519/4.60		Not applicable for AR-C250, AR-C160

Note 1) A4 document with 10% coverage

Note 2) Inner carton printed in 2 languages including English and French

AR-C150/250 Supply List (U.S.A/Canada)

	NAME	CONTENT (S)	LIFE	MODEL	INCOMPATIBILITY	REMARK
1	Color Toner (cyan)	Toner Cartridge (cyan) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25MT6	A	(AR-C25NT6) × 10 = AR-C25MT6
2	Color Toner (magenta)	Toner Cartridge (magenta) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25MT7	A	(AR-C25NT7) × 10 = AR-C25MT7
3	Color Toner (yellow)	Toner Cartridge (yellow) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25MT8	A	(AR-C25NT8) × 10 = AR-C25MT8
4	Toner (black)	Toner Cartridge (black) (600g), Instruction Sheet × 10	8.64K × 10 Note 1) 21.7K × 10 Note 3)	AR-C25MT1	A	(AR-C25NT1) × 10 = AR-C25MT1 The AR-C16MT1 can be used.
5	Color Developer kit	[Developer (cyan × 1, magenta × 1, yellow × 1) (650g each)] × 3	40K each color × 3	AR-C15MD9		(AR-C15ND9) × 3 = AR-C15MD9
6	Black Developer kit	[Developer (black) (650g) × 1] × 10	40K × 10	AR-C15MD1		(AR-C15ND1) × 10 = AR-C15MD1
7	Drum Unit	Drum Unit × 1 (Drum/Unit Parts included) × 1 Color Seal (C, M, Y, Bk each × 2)	40K	AR-C25DU		Not applicable for black in AR-C160.
8	Drum Kit	Drum × 1 Cleaning Blade × 1 Toner Receiving Seal × 1 Charger Unit × 1 Color Seal (C, M, Y, Bk each × 1)	40K	AR-C25DK		Not applicable for black in AR-C160.

Note 1) A4 document with 10% coverage

Note 2) Inner carton printed in 2 languages including English and French

Note 3) A4 document with 6% coverage

AR-C150/C250 supply system (USA/Canada)

No.	Name	Content		Life	Model	Remark
1	Developer unit kit	Developer unit	× 4	—	AR-DW1	
2	Waste toner container kit	Drum waste toner container (AS)	× 1	40K	AR-C15HB	5% coverage of each of C/M/Y/K, total 20% coverage
		Transfer waste toner tank unit	× 1			
3	Fusing oil	Fusing oil (800g)	× 10	40K × 10	AR-C15LL	AR-C15LL = AR-C15SL × 10
4	Upper heat roller kit	Upper heat roller unit	× 1	40K	AR-C15UH AR-C25UH	For AR-C150 For AR-C250
		Upper cleaning roller	× 1			
5	Lower heat roller kit	Lower heat roller unit	× 1	40K	AR-C15LH AR-C25LH	For AR-C150 For AR-C250
		Fusing separation pawl lower	× 5			
6	Fusing oil applying kit	Oil applying unit	× 1	40K	AR-C15KH AR-C25KH	For AR-C150 For AR-C250
		Oil filter unit	× 1			
		Applying unit mini oil bottle	× 1			
7	Filter kit	Process ozone filter	× 2	80K	AR-C15FL	
		Toner duct ozone filter	× 1			
		Toner filter	× 1			
8	Transfer belt kit	Transfer belt	× 1	160K	AR-C15TT	
		Belt separation pawl	× 2			
9	Transfer roller kit	Transfer blade	× 1	80K	AR-C15TX	
		Transfer roller	× 4			
10	Staple cartridge	Staple cartridge (SF-SC11)	× 3	5,000 × 3	SF-SC11	For AR-SS2. Common with FN1.
11	Fusing unit	Fusing unit (Except for motor, PWB, upper/lower lamps)	× 1		AR-C15FU AR-C25FU	(For servicing) For AR-C150 For AR-C250
12	Transfer unit	Transfer unit (Except for motor)	× 1		AR-C15TU	(For servicing)
13	DV seal kit	DV seal unit (assemble)	× 3	80K	AR-C15DS	
14	Staple cartridge	Staple cartridge		3,000 × 3	AR-SC1	For AR-FN4

AR-C160 Supply List (U.S.A/Canada)

	NAME	CONTENT (S)		LIFE	MODEL	INCOMPATIBILITY	REMARK
1	Color Toner (cyan)	Toner Cartridge (cyan) (300g), Instruction Sheet	× 10	4.85K × 10 Note 1)	AR-C25MT6	A	(AR-C25NT6) × 10 = AR-C25MT6
2	Color Toner (magenta)	Toner Cartridge (magenta) (300g), Instruction Sheet	× 10	4.85K × 10 Note 1)	AR-C25MT7	A	(AR-C25NT7) × 10 = AR-C25MT7
3	Color Toner (yellow)	Toner Cartridge (yellow) (300g), Instruction Sheet	× 10	4.85K × 10 Note 1)	AR-C25MT8	A	(AR-C25NT8) × 10 = AR-C25MT8
4	Toner (black)	Toner Cartridge (black) (650g), Instruction Sheet	× 10	21.7K × 10 Note 3)	AR-C16MT1	A	(AR-C16NT1) × 10 = AR-C16MT1 The AR-C25MT1 or AR-C16MT1 can be used.
5	Color Developer kit	[Developer (cyan × 1, magenta × 1, yellow × 1) (650g each)]	× 3	40K each color × 3	AR-C15MD9		(AR-C15ND9) × 3 = AR-C15MD9
6	Black Developer kit	[Developer (black) (650g) × 1]	× 10	80K × 10	AR-C16MD1		(AR-C16ND1) × 10 = AR-C16MD1 Not applicable for AR-C150 and AR-C250.
7	Drum Unit	Drum Unit	× 1	40K	AR-C25DU		Use for C, M, Y
		(Drum/Unit Parts included)	× 1				
		Color Seal (C, M, Y, each × 2)					
8	Drum Kit	Drum (Color)	× 1	40K	AR-C25DK		Use for C, M, Y
		Cleaning Blade	× 1				
		Toner Receiving Seal	× 1				
		Charger Unit	× 1				
		Color Seal (C, M, Y, each × 1)					
9	Drum	Drum (Black)		80K	AR-C16DR		Use for Black Not applicable for AR-C150 and AR-C250.
10	Main charger kit	Main charger unit	× 1	40K	AR-16MK		Use for Black Not applicable for AR-C150 and AR-C250.
		Cleaning blade	× 1				
		Toner receving seal	× 1				
		RS roller cleaner	× 1				

Note 1) A4 document with 10% coverage

Note 2) Inner carton printed in 2 languages including English and French

Note 3) A4 document with 6% coverage

AR-C160 supply system (USA/Canada)

No.	Name	Content		Life	Model	Remark
1	Developer unit kit	Developer unit	× 4	—	AR-DW1	
2	Waste toner container kit	Drum waste toner container (AS)	× 1	40K	AR-C15HB	5% coverage of each of C/M/Y/K, total 20% coverage
		Transfer waste toner tank unit	× 1			
3	Fusing oil	Fusing oil (800g)	× 10	40K × 10	AR-C15LL	AR-C15LL = AR-C15SL × 10
4	Upper heat roller kit	Upper heat roller unit	× 1	40K	AR-C16UH	For AR-C160
		Upper cleaning roller	× 1			
5	Lower heat roller kit	Lower heat roller unit	× 1	40K	AR-C16LH	For AR-C160
		Fusing separation pawl lower	× 5			
6	Fusing oil applying kit	Oil applying unit	× 1	40K	AR-C15KH AR-C25KH	For AR-C150 For AR-C250 For AR-C160
		Oil filter unit	× 1			
		Applying unit mini oil bottle	× 1			
7	Filter kit	Process ozone filter	× 2	80K	AR-C15FL	
		Toner duct ozone filter	× 1			
		Toner filter	× 1			
8	Transfer belt kit	Transfer belt	× 1	160K	AR-C16TT	
	Transfer roller kit	Transfer roller	× 4			
9	Staple cartridge	Staple cartridge (SF-SC11)	× 3	5,000 × 3	SF-SC11	For AR-SS2. Common with FN1.
10	Fusing unit	Fusing unit (Except for motor, PWB, upper/lower lamps)	× 1		AR-C16FU	(For servicing)
11	Transfer unit	Transfer unit (Except for motor)	× 1		AR-C16TU	(For servicing)
12	DV seal kit	DV seal unit (assemble)	× 3	80K	AR-C15DS	
13	Staple cartridge	Staple cartridge		3,000 × 3	AR-SC1	For AR-FN4
14	Transfer belt cleaning blade kit	Transfer belt cleaning blade	× 1	80K	AR-C16TG	AR-C16TG = AR-C160G × 10 (for USA)
	Transfer belt cleaning blade kit	Transfer belt cleaning blade	× 1	80K	AR-C16TK	AR-C16TK = AR-C160K × 10 (for Canada)

AR-C150 Supply List (Europe/Australia/New Zealand)

	NAME	CONTENT(S)		LIFE Note 1)	Model	DIMENSIONS (W × D × H): mm /WHIGHT: kg	INCOMPATIBILITY	REMARK
1	Color Toner (cyan)	"Toner Cartridge (cyan) (267g), Instruction Sheet"	× 10	4K Note 1) × 10	AR-C15LT6	329 × 590 × 218/5.62	B	(AR-C15T6) × 10 = AR-C15LT6
2	Color Toner (magenta)	"Toner Cartridge (magenta) (267g), Instruction Sheet"	× 10	4K Note 1) × 10	AR-C15LT7	329 × 590 × 218/5.62	B	(AR-C15T7) × 10 = AR-C15LT7
3	Color Toner (yellow)	"Toner Cartridge (yellow) (267g), Instruction Sheet"	× 10	4K Note 1) × 10	AR-C15LT8	329 × 590 × 218/5.62	B	(AR-C15T8) × 10 = AR-C15LT8
4	Toner (black)	"Toner Cartridge (black) (600g), Instruction Sheet"	× 10	8K Note 1) × 10	AR-C15LT1	429 × 610 × 246/10.97	B	(AR-C15T1) × 10 = AR-C15LT1 The AR-C16LT1 can be used.
5	Color Developer kit	[Developer (cyan × 1, magenta × 1, yellow × 1) (650g each)	× 3	40K each × 3	AR-C15LD9	294 × 391 × 170/7.71		(AR-C15DV9) × 3 = AR-C15LD9
6	Black Developer kit	[Developer (black) (650g) × 1	× 10	40K	AR-C15LD1	204 × 391 × 290/9.10		(AR-C15DV1) × 10 = AR-C15LD1
7	Drum Unit	Drum Unit	× 1	40K	AR-C15DU	402 × 568 × 198/6.73		Not applicable for AR-C250, AR-C160
		(Drum/Unit Parts included)	× 1					
		Color Seal (C, M, Y, Bk each × 2)						
8	Drum Kit	Drum	× 1	40K	AR-C15DK	418 × 146 × 519/4.60		Not applicable for AR-C250, AR-C160
		Cleaning Blade	× 1					
		Toner Receiving Seal	× 1					
		Charger Unit	× 1					
		Color Seal (C, M, Y, Bk each × 1)						

Note 1) A4 document with 10% coverage

Note 2) Inner carton printed in 4 languages

AR-C150/250 Supply List (Europe/Australia/New Zealand)

	NAME	CONTENT (S)	LIFE	MODEL	INCOMPATIBILITY	REMARK
1	Color Toner (cyan)	Toner Cartridge (cyan) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25LT6	B	(AR-C25T6) × 10 = AR-C25LT6
2	Color Toner (magenta)	Toner Cartridge (magenta) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25LT7	B	(AR-C25T7) × 10 = AR-C25LT7
3	Color Toner (yellow)	Toner Cartridge (yellow) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25LT8	B	(AR-C25T8) × 10 = AR-C25LT8
4	Toner (black)	Toner Cartridge (black) (600g), Instruction Sheet × 10	8.64K × 10 Note 1) 21.7 × 10 Note 3)	AR-C25LT1	B	(AR-C25T1) × 10 = AR-C25LT1 The AR-C16MT1 can be used.
5	Color Developer kit	[Developer (cyan × 1, magenta × 1, yellow × 1) (650g each)] × 3	40K each color × 3	AR-C15LD9		(AR-C15DV9) × 3 = AR-C15LD9
6	Black Developer kit	[Developer (black) (650g) × 1] × 10	40K × 10	AR-C15LD1		(AR-C15DV1) × 10 = AR-C15LD1
7	Drum Unit	Drum Unit × 1 (Drum/Unit Parts included) × 1 Color Seal (C, M, Y, Bk each × 2)	40K	AR-C25DU		Not applicable for black in AR-C160.
8	Drum Kit	Drum × 1 Cleaning Blade × 1 Toner Receiving Seal × 1 Charger Unit × 1 Color Seal (C, M, Y, Bk each × 1)	40K	AR-C25DK		Not applicable for black in AR-C160.

Note 1) A4 document with 10% coverage

Note 2) Inner carton printed in 4 languages

Note 3) A4 document with 6% coverage

AR-C150/C250 supply system (Europe/Australia/New Zealand)

No.	Name	Content	Life	Model	Remark
1	Developer unit kit	Developer unit × 4	—	AR-DW1	
2	Waste toner container kit	Drum waste toner container (AS) × 1 Transfer waste toner tank unit × 1	40K	AR-C15HB	5% coverage of each of C/M/Y/K, total 20% coverage
3	Fusing oil	Fusing oil (80g) × 10	40K × 10	AR-C15LL	AR-C15LL = AR-C15SL × 10
4	Upper heat roller kit	Upper heat roller unit × 1 Upper cleaning roller × 1	40K	AR-C15UH AR-C25UH	For AR-C150 For AR-C250
5	Lower heat roller kit	Lower heat roller unit × 1 Fusing separation pawl lower × 5	40K	AR-C15LH AR-C25LH	For AR-C150 For AR-C250
6	Fusing oil applying kit	Oil applying unit × 1 Oil filter unit × 1 Applying unit mini oil bottle × 1	40K	AR-C15KH AR-C25KH	For AR-C150 For AR-C250
7	Filter kit	Process ozone filter × 2 Toner duct ozone filter × 1 Toner filter × 1	80K	AR-C15FL	
8	Transfer belt kit	Transfer belt × 1 Belt separation pawl × 2	160K	AR-C15TT	
9	Transfer roller kit	Transfer blade × 1 Transfer roller × 4	80K	AR-C15TX	
10	Staple cartridge	Staple cartridge (SF-SC11) × 3	5,000 × 3	SF-SC11	For AR-SS2. Common with FN1.
11	Fusing unit	Fusing unit × 1 (Except for motor, PWB, upper/lower lamps)		AR-C15FU AR-C25FU	(For servicing) For AR-C150 For AR-C250
12	Transfer unit	Transfer unit × 1 (Except for motor)		AR-C15TU	(For servicing)
13	DV seal kit	DV seal unit (assemble) × 3	80K	AR-C15DS	
14	Staple cartridge	Staple cartridge	3,000 × 3	AR-SC1	For AR-FN4

AR-C160 Supply List (Europe/Australia/New Zealand)

	NAME	CONTENT (S)	LIFE	MODEL	INCOMPATIBILITY	REMARK
1	Color Toner (cyan)	Toner Cartridge (cyan) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25LT6	B	(AR-C25T6) × 10 = AR-C25LT6
2	Color Toner (magenta)	Toner Cartridge (magenta) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25LT7	B	(AR-C25T7) × 10 = AR-C25LT7
3	Color Toner (yellow)	Toner Cartridge (yellow) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25LT8	B	(AR-C25T8) × 10 = AR-C25LT8
4	Toner (black)	Toner Cartridge (black) (650g), Instruction Sheet × 10	21.7 × 10 Note 3)	AR-C16LT1	B	(AR-C16T1) × 10 = AR-C16LT1 The AR-C25LT1 can be used.
5	Color Developer kit	[Developer (cyan × 1, magenta × 1, yellow × 1) (650g each)] × 3	40K each color × 3	AR-C15LD9		(AR-C15DV9) × 3 = AR-C15LD9
6	Black Developer kit	[Developer (black) (650g) × 1] × 10	80K × 10	AR-C16LD1		(AR-C16DV1) × 10 = AR-C16LD1 Not applicable for AR-C150 and AR-C250.
7	Drum Unit	Drum Unit × 1 (Drum/Unit Parts included) × 1 Color Seal (C, M, Y, Bk each × 2)	40K	AR-C25DU		Use for C, M, Y
8	Drum Kit	Drum × 1 Cleaning Blade × 1 Toner Receiving Seal × 1 Charger Unit × 1 Color Seal (C, M, Y, Bk each × 1)	40K	AR-C25DK		Use for C, M, Y
9	Drum	Drum (Black)	80K	AR-C16DR		Use for Black Not applicable for AR-C150 and AR-C250.
10	Main charger kit	Main charger unit × 1 Cleaning blade × 1 Toner receving seal × 1 RS roller cleaner × 1	40K	AR-16MK		Use for Black Not applicable for AR-C150 and AR-C250.
11	Starter kit	Toner cartridge (cyan × 1, magenta × 1, yellow × 1 each color 300g, black × 1 650g) Developer (cyan × 1, magenta × 1, yellow × 1, black × 1 650g each) Fuser oil × 1	—	AR-C16SK1		Not applicable for AR-C150 and AR-C250.

Note 1) A4 document with 10% coverage

Note 2) Inner carton printed in 4 languages

Note 3) A4 document with 6% coverage

AR-C160 supply system (Europe/Australia/New Zealand)

No.	Name	Content	Life	Model	Remark
1	Developer unit kit	Developer unit × 4	—	AR-DW1	
2	Waste toner container kit	Drum waste toner container (AS) × 1 Transfer waste toner tank unit × 1	40K	AR-C15HB	5% coverage of each of C/M/Y/K, total 20% coverage
3	Fusing oil	Fusing oil (80g) × 10	40K × 10	AR-C15LL	AR-C15LL = AR-C15SL × 10
4	Upper heat roller kit	Upper heat roller unit × 1 Upper cleaning roller × 1	40K	AR-C16UH	For AR-C160
5	Lower heat roller kit	Lower heat roller unit × 1 Fusing separation pawl lower × 5	40K	AR-C16LH	For AR-C160
6	Fusing oil applying kit	Oil applying unit × 1 Oil filter unit × 1 Applying unit mini oil bottle × 1	40K	AR-C15KH AR-C25KH	For AR-C150 For AR-C250 For AR-C160
7	Filter kit	Process ozone filter × 2 Toner duct ozone filter × 1 Toner filter × 1	80K	AR-C15FL	
8	Transfer belt kit	Transfer belt × 1 Transfer roller × 4	160K	AR-C16TT	
9	Transfer belt cleaning blade	Transfer belt cleaning blade × 1	80K	AR-C16TK	AR-C16TK = AR-C160K × 10
10	Staple cartridge	Staple cartridge (SF-SC11) × 3	5,000 × 3	SF-SC11	For AR-SS2. Common with FN1.
11	Fusing unit	Fusing unit × 1 (Except for motor, PWB, upper/lower lamps)		AR-C16FU	(For servicing)
12	Transfer unit	Transfer unit × 1 (Except for motor)		AR-C16TU	(For servicing)
13	DV seal kit	DV seal unit (assemble) × 3	80K	AR-C15DS	
14	Staple cartridge	Staple cartridge	3,000 × 3	AR-SC1	For AR-FN4

AR-C150 Supply List (Asia/Central & South America/Middle East/others)

	NAME	CONTENT(S)	LIFE Note 1)	Model	DIMENSIONS (W × D × H): mm /WHIGHT: kg	INCOMPATIBILITY	REMARK
1	Color Toner (cyan)	"Toner Cartridge (cyan) (267g), Instruction Sheet" × 10	4K Note 1) × 10	AR-C15CT6	329 × 590 × 218/5.62	A	(AR-C15ST6) × 10 = AR-C15CT6
2	Color Toner (magenta)	"Toner Cartridge (magenta) (267g), Instruction Sheet" × 10	4K Note 1) × 10	AR-C15CT7	329 × 590 × 218/5.62	A	(AR-C15ST7) × 10 = AR-C15CT7
3	Color Toner (yellow)	"Toner Cartridge (yellow) (267g), Instruction Sheet" × 10	4K Note 1) × 10	AR-C15CT8	329 × 590 × 218/5.62	A	(AR-C15ST8) × 10 = AR-C15CT8
4	Toner (black)	"Toner Cartridge (black) (600g), Instruction Sheet" × 10	8K Note 1) × 10	AR-C15CT1	429 × 610 × 246/10.97	A	(AR-C15ST1) × 10 = AR-C15CT1 The AR-C25CT1 or AR-C16CT1 can be used.
5	Color Developer kit	[Developer (cyan × 1, magenta × 1, yellow × 1) (650g each) × 3	40K each × 3	AR-C15CD9	294 × 391 × 170/7.71		(AR-C15SD9) × 3 = AR-C15CD9
6	Black Developer kit	[Developer (black) (650g) × 1 × 10	40K	AR-C15CD1	204 × 391 × 290/9.10		(AR-C15SD1) × 10 = AR-C15CD1
7	Drum Unit	Drum Unit × 1 (Drum/Unit Parts included) × 1 Color Seal (C, M, Y, Bk each × 2)	40K	AR-C15DU	402 × 568 × 198/6.73		Not applicable for AR-C160/C250
8	Drum Kit	Drum × 1 Cleaning Blade × 1 Toner Receiving Seal × 1 Charger Unit × 1 Color Seal (C, M, Y, Bk each × 1)	40K	AR-C15DK	418 × 146 × 519/4.60		Not applicable for AR-C160/C250

Note 1) A4 document with 10% coverage

Note 2) Inner carton printed in 4 languages

AR-C150/250 Supply List (Asia/Middle East/Central & South America/Others)

	NAME	CONTENT (S)	LIFE	MODEL	INCOMPATIBILITY	REMARK
1	Color Toner (cyan)	Toner Cartridge (cyan) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25CT6	A	(AR-C25ST6) × 10 = AR-C25CT6
2	Color Toner (magenta)	Toner Cartridge (magenta) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25CT7	A	(AR-C25ST7) × 10 = AR-C25CT7
3	Color Toner (yellow)	Toner Cartridge (yellow) (300g), Instruction Sheet × 10	4.85K × 10 Note 1)	AR-C25CT8	A	(AR-C25ST8) × 10 = AR-C25CT8
4	Toner (black)	Toner Cartridge (black) (600g), Instruction Sheet × 10	8.64K × 10 Note 1) 21.7K × 10 Note 3)	AR-C25CT1	A	(AR-C25ST1) × 10 = AR-C25CT1 The AR-C16CT1 can be used.
5	Color Developer kit	[Developer (cyan × 1, magenta × 1, yellow × 1) (650g each)] × 3	40K each color × 3	AR-C15CD9		(AR-C15SD9) × 3 = AR-C15CD9
6	Black Developer kit	[Developer (black) (650g) × 1] × 10	40K × 10	AR-C15CD1		(AR-C15SD1) × 10 = AR-C15CD1
7	Drum Unit	Drum Unit × 1 (Drum/Unit Parts included) × 1 Color Seal (C, M, Y, Bk each × 2)	40K	AR-C25DU		Not applicable for black in AR-C160.
8	Drum Kit	Drum × 1 Cleaning Blade × 1 Toner Receiving Seal × 1 Charger Unit × 1 Color Seal (C, M, Y, Bk each × 1)	40K	AR-C25DK		Not applicable for black in AR-C160.

Note 1) A4 document with 10% coverage

Note 2) Inner carton printed in 4 languages

Note 3) A4 document with 6% coverage

AR-C150/C250 supply system (Middle and South America/Middle East/Asia/others)

No.	Name	Content	Life	Model	Remark
1	Developer unit kit	Developer unit × 4	—	AR-DW1	
2	Waste toner container kit	Drum waste toner container (AS) × 1 Transfer waste toner tank unit × 1	40K	AR-C15HB	5% coverage of each of C/M/Y/K, total 20% coverage
3	Fusing oil	Fusing oil (80g) × 10	40K × 10	AR-C15LL	AR-C15LL = AR-C15SL × 10
4	Upper heat roller kit	Upper heat roller unit × 1 Upper cleaning roller × 1	40K	AR-C15UH AR-C25UH	For AR-C150 For AR-C250
5	Lower heat roller kit	Lower heat roller unit × 1 Fusing separation pawl lower × 5	40K	AR-C15LH AR-C25LH	For AR-C150 For AR-C250
6	Fusing oil applying kit	Oil applying unit × 1 Oil filter unit × 1 Applying unit mini oil bottle × 1	40K	AR-C15KH AR-C25KH	For AR-C150 For AR-C250
7	Filter kit	Process ozone filter × 2 Toner duct ozone filter × 1 Toner filter × 1	80K	AR-C15FL	
8	Transfer belt kit	Transfer belt × 1 Belt separation pawl × 2	160K	AR-C15TT	
9	Transfer roller kit	Transfer blade × 1 Transfer roller × 4	80K	AR-C15TX	
10	Staple cartridge	Staple cartridge (SF-SC11) × 3	5,000 × 3	SF-SC11	For AR-SS2. Common with FN1.
11	Fusing unit	Fusing unit × 1 (Except for motor, PWB, upper/lower lamps)	40K	 AR-C15FU AR-C25FU	(For servicing) For AR-C150 For AR-C250
12	Transfer unit	Transfer unit × 1 (Except for motor)		AR-C15TU	(For servicing)
13	DV seal kit	DV seal unit (assemble) × 3	80K	AR-C15DS	
14	Staple cartridge	Staple cartridge	3,000 × 3	AR-SC1	For AR-FN4

AR-C160 Supply List (Asia/Middle East/Central & South America/Others)

	NAME	CONTENT (S)	LIFE	MODEL	INCOMPATIBILITY	REMARK
1	Color Toner (cyan)	Toner Cartridge (cyan) (300g), × 10 Instruction Sheet	4.85K × 10 Note 1)	AR-C25CT6	A	(AR-C25ST6) × 10 = AR-C25CT6
2	Color Toner (magenta)	Toner Cartridge (magenta) (300g), × 10 Instruction Sheet	4.85K × 10 Note 1)	AR-C25CT7	A	(AR-C25ST7) × 10 = AR-C25CT7
3	Color Toner (yellow)	Toner Cartridge (yellow) (300g), × 10 Instruction Sheet	4.85K × 10 Note 1)	AR-C25CT8	A	(AR-C25ST8) × 10 = AR-C25CT8
4	Toner (black)	Toner Cartridge (black) (650g), × 10 Instruction Sheet	21.7K × 10 Note 3)	AR-C16CT1	A	(AR-C16ST1) × 10 = AR-C16CT1 The AR-C25CT1 can be used.
5	Color Developer kit	[Developer (cyan × 1, magenta × 1, × 3 yellow × 1) (650g each)]	40K each color × 3	AR-C15CD9		(AR-C15SD9) × 3 = AR-C15CD9
6	Black Developer kit	[Developer (black) (650g) × 1] × 10	80K × 10	AR-C16CD1		(AR-C16SD1) × 10 = AR-C16CD1 Not applicable for AR-C150 and AR-C250.
7	Drum Unit	Drum Unit × 1 (Drum/Unit Parts included) × 1 Color Seal (C, M, Y, Bk each × 2)	40K	AR-C25DU		Use for C, M,Y
8	Drum Kit	Drum × 1 Cleaning Blade × 1 Toner Receiving Seal × 1 Charger Unit × 1 Color Seal (C, M, Y, Bk each × 1)	40K	AR-C25DK		Use for C, M,Y
9	Drum	Drum (Black)	80K	AR-C16DR		Use for Black Not applicable for AR-C150 and AR-C250.
10	Main charger kit	Main charger unit × 1 Cleaning blade × 1 Toner receving seal × 1 RS roller cleaner × 1	40K	AR-16MK		Use for Black Not applicable for AR-C150 and AR-C250.

Note 1) A4 document with 10% coverage

Note 2) Inner carton printed in 4 languages

Note 3) A4 document with 6% coverage

AR-C160 supply system (Middle and South America/Middle East/Asia/others)

No.	Name	Content		Life	Model	Remark
1	Developer unit kit	Developer unit	× 4	—	AR-DW1	
2	Waste toner container kit	Drum waste toner container (AS) Transfer waste toner tank unit	× 1 × 1	40K	AR-C15HB	5% coverage of each of C/M/Y/K, total 20% coverage
3	Fusing oil	Fusing oil (80g)	× 10	40K × 10	AR-C15LL	AR-C15LL = AR-C15SL × 10
4	Upper heat roller kit	Upper heat roller unit Upper cleaning roller	× 1 × 1	40K	AR-C16UH	For AR-C160
5	Lower heat roller kit	Lower heat roller unit Fusing separation pawl lower	× 1 × 5	40K	AR-C16LH	For AR-C160
6	Fusing oil applying kit	Oil applying unit Oil filter unit Applying unit mini oil bottle	× 1 × 1 × 1	40K	AR-C15KH AR-C25KH	For AR-C150 For AR-C250 For AR-C160
7	Filter kit	Process ozone filter Toner duct ozone filter Toner filter	× 2 × 1 × 1	80K	AR-C15FL	
8	Transfer belt kit	Transfer belt Transfer roller	× 1 × 4	160K	AR-C16TT	
9	Transfer belt cleaning blade	Transfer belt claning blade	× 1	80K	AR-C16TK	AR-C160TK = AR-C160K × 10
10	Staple cartridge	Staple cartridge (SF-SC11)	× 3	5,000 × 3	SF-SC11	For AR-SS2. Common with FN1.
11	Fusing unit	Fusing unit (Except for motor, PWB, upper/lower lamps)	× 1	40K	AR-C16FU	(For servicing)
12	Transfer unit	Transfer unit (Except for motor)	× 1		AR-C16TU	(For servicing)
13	DV seal kit	DV seal unit (assemble)	× 3	80K	AR-C15DS	
14	Staple cartridge	Staple cartridge		3,000 × 3	AR-SC1	For AR-FN4

2. Compatibility of Supplies for AR-C150/250/160 (Overseas)

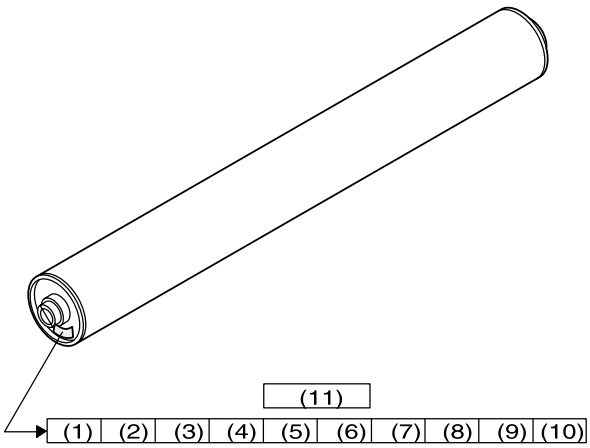
❑ - Target Model, ❍ - Usable, Δ - Usable (under some conditions), × - Not usable, Colored portions: To be discontinued after the current stock is used up.

Item	Content	Model Name	Product ID Model Name	AR-C150	AR-C250	AR-C160	Remarks
Toner (Black)	Toner (Black) 600g	AR-C15MT1/LT1/CT1	A3ARC15MT1/LT1/CT1	❍	❍	❍	Some of initial 15MT1 lot don't have a heat seal which is an action for highland region.
	Toner (Black) 600g	AR-C25MT1/LT1/CT1	A3ARC25MT1/LT1/CT1	❍	❍	❍	
	Toner (Black) 650g	AR-C16MT1/LT1/CT1	A3ARC16MT1/LT1/CT1	❑	❑	❑	
Color Toner (Cyan)	Color Toner (Cyan) 267g	AR-C15MT6/LT6/CT6	A3ARC15MT6/LT6/CT6	❍	❍	❍	Using increased toner (300g) provides merit cost-wise.
	Color Toner (Cyan) 300g	AR-C25MT6/LT6/CT6	A3ARC25MT6/LT6/CT6	❑	❑	❑	
Color Toner (Magenta)	Color Toner (Magenta) 267g	AR-C15MT7/LT7/CT7	A3ARC15MT7/LT7/CT7	❍	❍	❍	Using increased toner (300g) provides merit cost-wise.
	Color Toner (Magenta) 300g	AR-C25MT7/LT7/CT7	A3ARC25MT7/LT7/CT7	❑	❑	❑	
Color Toner (Yellow)	Color Toner (Yellow) 267g	AR-C15MT8/LT8/CT8	A3ARC15MT8/LT8/CT8	❍	❍	❍	Using increased toner (300g) provides merit cost-wise.
	Color Toner (Yellow) 300g	AR-C25MT8/LT8/CT8	A3ARC25MT8/LT8/CT8	❑	❑	❑	
Developer (Black)	Developer (Black) 650g	AR-C15MD1/LD1/CD1	A3ARC15MD1/LD1/CD1	❑	❑	×	With black developer (for 80K), coating material of carrier changed.
	Developer (Black) 650g/for 80K	AR-C16MD1/LD1/CD1	A3ARC16MD1/LD1/CD1	×	×	❑	
Color Developer	Color Developer Kit (Cyan/Magenta/Yellow)	AR-C15MD9/LD9/CD9	A3ARC15MD9/LD9/CD9	❑	❑	❑	
Starter Kit	Starter Kit	AR-C25SK1	A3ARC25SK1	❑	❑	×	With black developer (for 80K), coating material of carrier changed.
	Starter Kit (includes 80K black developer)	AR-C16SK1	A3ARC16SK1	×	×	❑	
Drum	Drum Unit	AR-C15DU	A3ARC15DU	❍	×	×	15DU/DK cannot be used for AR-C250/160, because doing so will cause a defect such as white streak on paper edge.
	Drum Kit	AR-C15DK	A3ARC15DK	❍	×	×	
	Drum Unit (with PET to prevent white streak on paper edge)	AR-C25DU	A3ARC25DU	❑	❑	❑ (COLOR)	
	Drum Unit (with PET to prevent white streak on paper edge)	AR-C25DK	A3ARC25DK	❑	❑	❑ (COLOR)	
	Drum for Black	AR-C16DR	A3ARC16DR	×	×	❑ (BK)	
	Main Charger Kit	AR-C16MK	A3ARC16MK	×	×	❑ (BK)	

3. Photoconductor, developer, toner

A. Serial number identification

(1) Photoconductor



(1) Figure
Indicates the sensitivity of the photoconductor.

(2) (3) Alphabet
Indicates the model code. This machine's code is PD (or PN for the AR-C160 black.).

(4) Figure
Indicates the end digit of the production year.

(5) Figure or X, Y, Z
Indicates the production month. X= October, Y= November, Z= December

(6) Figure
Indicates the production lot.

(7) Figure
Indicates the sub lot division.

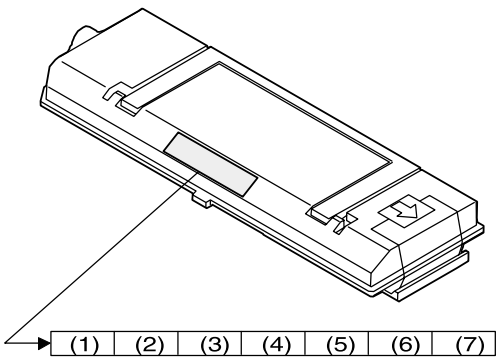
(8) Figure or X, Y, Z
Indicates the packing month. X= October, Y= November, Z= December

(9) (10) Figure
Indicates the packing date.

(11) Figure or alphabet
Indicates the product name of the drum.

NOTE: The shape of flange for the AR-C160 black OPC drum differs from the others.

(2) Developer



(1) (2) Alphabet
Indicates the developer color as shown below:

Color	Alphabet
Yellow	YR
Magenta	MR
Cyan	CR
Black	KS (KT for the AR-C160)

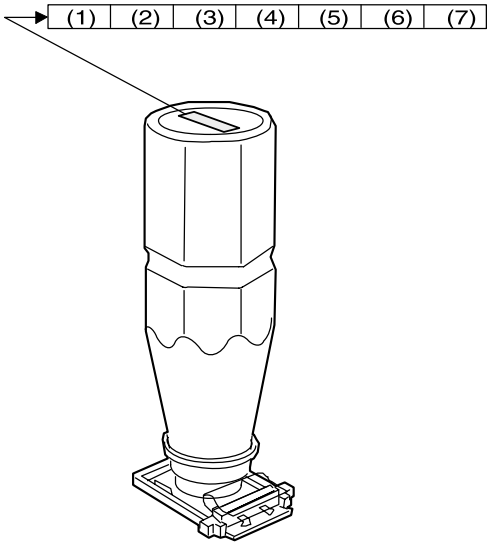
(3) Figure, alphabet
Indicates the production month. X= October, Y= November, Z= December

(4) (5) Figure
Indicates the production date.

(6) Figure
Indicates the end digit of the production year.

(7) Alphabet
Indicates the management code. (A to Z)

(3) Toner



(1) (2) Alphabet
Indicates the toner color as shown below:

Color	Alphabet
Yellow	RY
Magenta	RM
Cyan	RC
Black	SK

(3) Figure, alphabet
Indicates the production month. X= October, Y= November, Z= December

(4) (5) Figure
Indicates the production date.

(6) Figure
Indicates the end digit of the production year.

(7) Alphabet
Indicates the management code. (A to Z)

4. Paper

(1) Color print paper

The recommendable color print paper is shown below.

Use of the recommendable paper provides the best copy quality. The standard paper follows it.

Kind	Model	Supplier	Specification	Note
Recommend paper	Hammermill LASER PRINT	Hammermill	[11 × 8.5", 90g/m^2] [11 × 17", 90g/m^2]	
	Neusiedler Color Copy (90g/m^2)	Neusiedler	[A4, 90g/m^2] [A3, 90g/m^2]	
Standard paper	Necosa	Necosa	[11 × 8.5", 75g/m^2] [11 × 17", 75g/m^2]	
	Hammermill DP	Hammermill	[11 × 8.5", 75g/m^2] [11 × 17", 75g/m^2]	
	Igepa	Igepa	[A4, 80g/m^2] [A3, 80g/m^2]	
OHP sheet (Specified paper)	BG74.6	FOREX	A4 size, 140g/m^2	Made by FOLEX

When paper of low white level is used, normal copy quality (color reproduction) may not be obtained.

For OHP sheet, be sure to use the specified one.

(2) Monochrome print paper

For monochrome print, the following specifications serve as the criteria of applicable or not.

(Values are under 20 ± 1℃, 65 ± 2%RH)

Item	Standard paper	Applicable paper
Weight	60 –90g/m ^{2}	60 –120g/m ^{2}
Smoothness	Front: ≥ 20s Back : ≥ 20s (BEEK method)	Front: ≥ 20s Back : ≥ 18s (BEEK method)
Vesicularity	≥ 7s (BEEK method)	Same as the left.
Untransparency	≥ 77%	Same as the left.
Surface resistance	1×10^{10} –5 $\times 10^{10}\Omega$cm (20 ± 1℃, 65 ± 2%RH)	$\geq 5.0 \times 10^{8}\Omega$cm (20 ± 1℃, 65 ± 2%RH)
Hardness	Vertical: ≥ 17cm Horizontal: ≥ 13cm (CLARK method)	Same as the left.
Water content	4.5 % –7.0%	Same as the left.
Thickness	75μm –110 μm	Same as the left.
Dimensions	Standard ± 1mm (*)	Same as the left.

(3) Print paper dimension specification

(*) Standard dimensions are as follows:

B5 (182 ± 1 × 257 ± 1mm)
B6 (128 ± 1 × 182 ± 1mm)
A4 (210 ± 1 × 297 ± 1mm)
A5 (148 ± 1 × 210 ± 1mm)
A6 (105 ± 1 × 148 ± 1mm)
8.5" ± 5/128 × 14" ± 5/128 inch
8.5" ± 5/128 × 11" ± 5/128 inch
8.5" ± 5/128 × 8.5" ± 5/128 inch
8.5" ± 5/128 × 13" ± 5/128 inch

(Note)

(Paper which cannot be used)

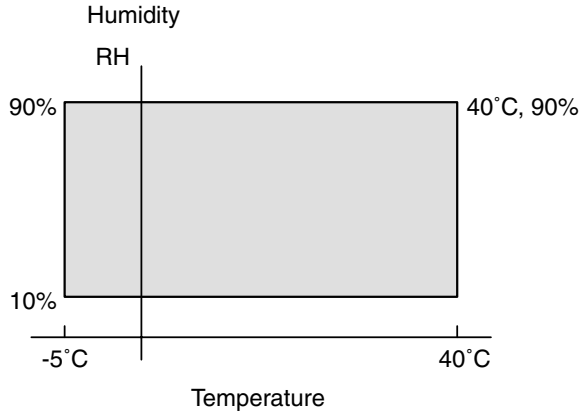
The following paper cannot be used for printing.

- Paper with coated surface
- Paper with rough surface, or too smooth surface
- Documents which are separated from a pasted book
- Broken paper, folded paper, embossed paper, dry paper, wet paper, curled paper
- Paper with metal tab or clip
- Paper with holes, cutout, or perforations

5. Environmental conditions

(1) Transit environment (sealed)

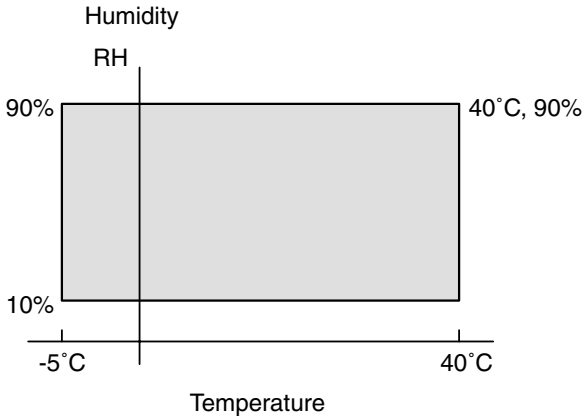
Max. change: Temperature 15℃/hour,
Relative humidity 15%RH/hour, without dew



Temperature (min)	Humidity (min)	Temperature (mid)	Humidity (mid)	Temperature (max)	Humidity (max)	Period
-5℃	10%			40℃	90%	—

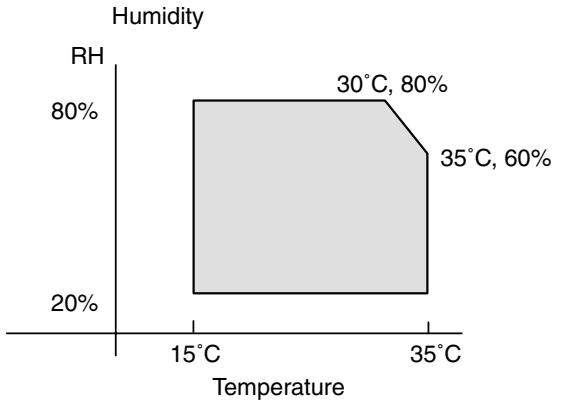
(2) Storage environment (sealed)

Max. change: Temperature 15℃/hour,
Relative humidity 15%RH/hour, without dew



Temperature (min)	Humidity (min)	Temperature (mid)	Humidity (mid)	Temperature (max)	Humidity (max)	Period
-5℃	10%			40℃	90%	—

(Unsealed condition)

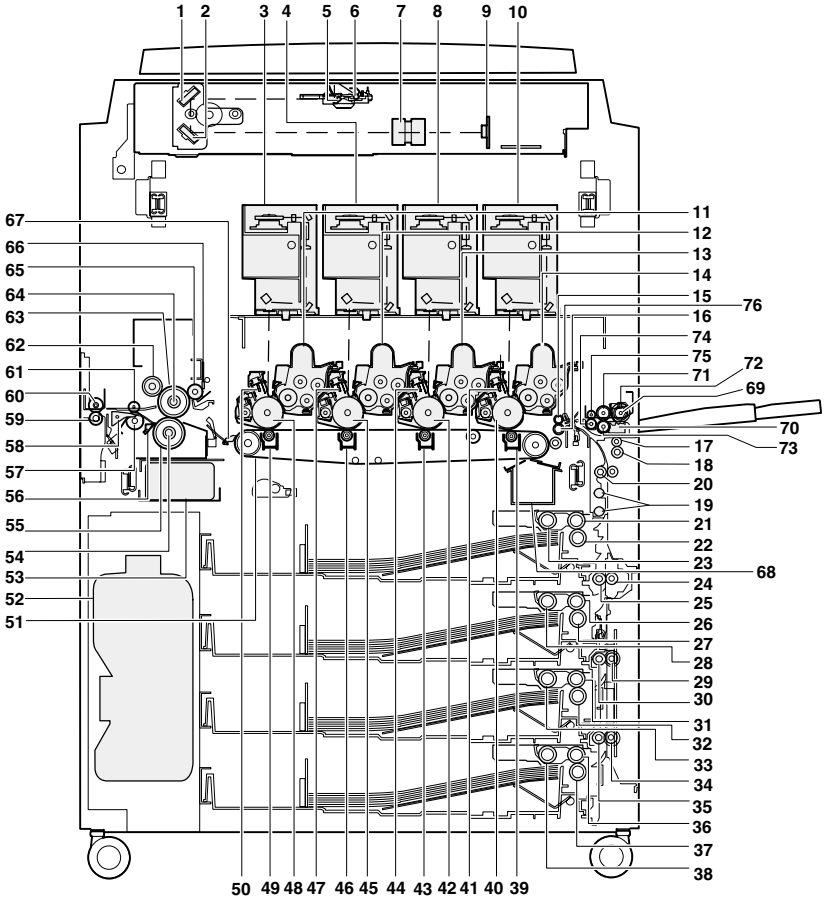


Temperature (min)	Humidity (min)	Temperature (mid)	Humidity (mid)	Temperature (max)	Humidity (max)	Period
15℃	20%	30℃	60%	35℃	90%	—

[5] EXTERNAL VIEW AND INTERNAL STRUCTURE

B. Internal parts

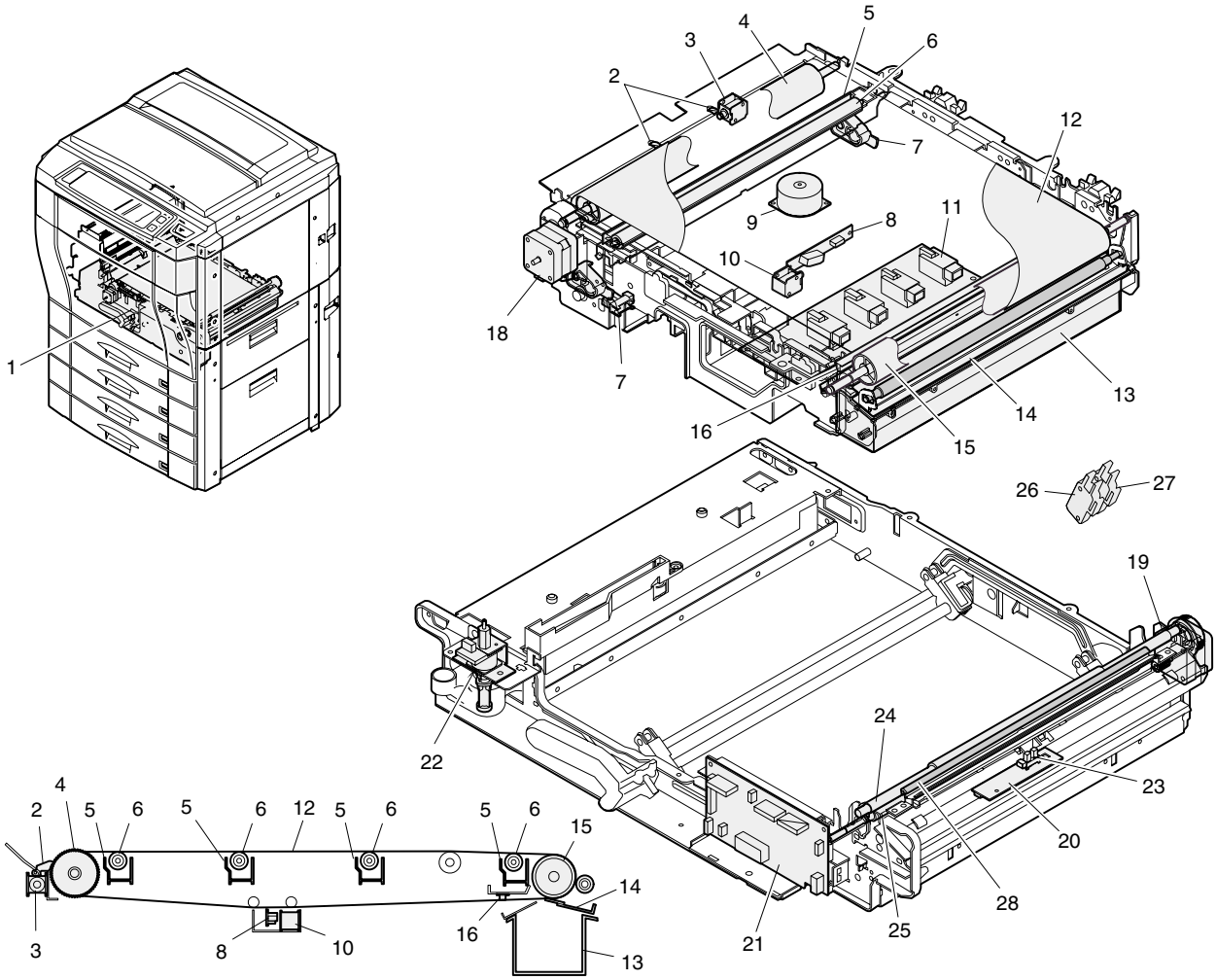
(1) Cross section



No.	Parts		Note
	Name	Function and operation	
1	No. 2 mirror	Sends the original image to No. 3 mirror.	
2	No. 3 mirror	Send the original image to the CCD.	
3	Y-LSU unit	Converts yellow components of image signals sent from the ICU PWB into laser beams, and radiates the beams onto the OPC drum.	
4	M-LSU unit	Converts magenta components of image signals sent from the ICU PWB into laser beams, and radiates the beams onto the OPC drum.	
5	No. 1 mirror	Sends the original image to No. 2 mirror.	
6	Scanner lamp	Radiates light to the CCD for scanning the original image.	
7	CCD lens	Reduces the original image (light) and project it to the CCD.	
8	C-LSU unit	Converts cyan components of image signals sent from the ICU PWB into laser beams, and radiates the beams onto the OPC drum.	
9	CCD PWB	Reads the original image and converts it into electrical signals.	
10	K-LSU unit	Converts black components of image signals sent from the ICU PWB into laser beams, and radiates the beams onto the OPC drum.	
11	Developing roller (Y)	Attaches toner on the OPC drum. (Y)	
12	Developing roller (M)	Attaches toner on the OPC drum. (M)	
13	Developing roller (C)	Attaches toner on the OPC drum. (C)	
14	Developing roller (K)	Attaches toner on the OPC drum. (K)	
15	Upper resist roller	Transports paper to the transfer section.	
16	Lower resist roller	Transports paper to the transfer section.	
17	Paper transport roller 1	Transports paper to the transfer resist roller.	
18	Idle roller	Applies pressure to paper and the transport roller.	
19	Idle roller	Prevents against paper skew.	
20	Paper transport roller 1	Transports paper to the transfer section (transfer resist roller).	
21	Paper feed tray (No. 1 paper tray)	Feeds paper to the paper transport section.	
22	Separation roller (No. 1 paper tray)	Separates paper and transport it to the paper transport section.	

No.	Parts		Note
	Name	Function and operation	
23	Paper pickup roller (No. 1 paper tray)	Sends paper to the paper feed roller.	
24	Idle roller	Applies pressure to paper and the transport roller.	
25	Paper transport roller 2	Transports paper to the transport roller 1.	
26	Paper feed roller (No. 2 paper roller)	Feeds paper to the paper transport section.	
27	Separation roller (No. 2 paper tray)	Separates paper and prevents against double feed.	
28	Paper pickup roller (No. 2 paper tray)	Sends paper to the paper feed roller.	
29	Idle roller	Applies pressure to paper and the transport roller.	
30	Paper transport roller 3	Transports paper to the transport roller 2.	
31	Paper feed roller (No. 3 paper tray)	Feeds paper to the paper transport section.	
32	Separation roller (No. 3 paper tray)	Separates paper and prevents against double feed.	
33	Paper pickup roller (No. 3 paper tray)	Feeds paper to the paper feed roller.	
34	Idle roller	Applies pressure to paper and the transport roller.	
35	Paper transport roller 4	Transports paper to the transport roller 3.	
36	Paper feed roller (No. 4 paper tray)	Feeds paper to the paper transport section.	
37	Separation roller (No. 4 paper tray)	Separates paper and prevents against double feed.	
38	Paper pickup roller (No. 4 paper tray)	Sends paper to the paper feed roller.	
39	Transfer roller (K)	Applies a transfer voltage to the transfer belt.	
40	OPC drum unit (K)	Forms black latent electrostatic images.	
41	Main charger unit (K)	Charges the black OPC drum negatively.	
42	OPC drum unit (C)	Forms cyan latent electrostatic images.	
43	Transfer roller (C)	Applies a transfer voltage to the transfer belt.	
44	Main charger unit (C)	Charges the cyan OPC drum negatively.	
45	OPC drum unit (M)	Forms magenta latent electrostatic images.	
46	Transfer roller (M)	Applies a transfer voltage to the transfer belt.	
47	Main charger unit (M)	Charges the magenta OPC drum negatively.	
48	OPC drum unit (Y)	Forms yellow latent electrostatic images.	
49	Transfer roller (Y)	Applies a transfer voltage to the transfer belt.	
50	Main charger unit (Y)	Charges the yellow OPC drum negatively.	
51	Transfer belt	Transfers toner images on the OPC drum to paper.	
52	Waste toner bottle	Collects waste toner.	
53	Oil tank	Stores oil.	
54	Lower heater lamp	Heats the lower heat roller.	
55	Lower heat roller	Applies a pressure and heat to toner and fuses it to paper.	
56	Lower separation pawl	Separates paper mechanically from the lower heat roller.	
57	Fusing transport roller	Transports paper to the paper exit roller.	
58	ADU gate	Switches the paper route in the duplex mode.	
59	Paper exit roller	Discharges paper outside the machine.	
60	Idle roller	Applies pressure to paper and the paper exit roller.	
61	Idle roller	Applies pressure to paper and the transport roller.	
62	Upper cleaning roller	Cleans the fusing roller.	
63	Upper heat roller	Applies a pressure and heat to toner and fuses it to paper.	
64	Upper heat lamp	Heats the upper heat roller.	
65	Oil roller	Applies oil to the upper heat roller.	
66	Oil blade	Controls oil quantity on the oil roller to be even.	
67	Separation pawl	Separates paper from the transfer belt mechanically.	Japan only
68	Waste toner bottle	Collects waste toner from transfer belt.	
69	Paper pickup roller	Sends paper to the paper feed roller.	Manual paper feed section
70	Paper pickup solenoid	Presses paper onto the paper pickup roller.	
71	Manual paper feed roller	Feeds paper to the paper transport section.	
72	Manual paper feed clutch	Transmits the paper feed drive motor power to the manual paper feed unit. (Controls ON/OFF of the manual paper feed unit.)	
73	Separation roller	Separates paper to prevent against double feed.	
74	Manual transport roller	Applies a pressure to paper and the transport roller to give the transport roller power to the paper.	
75	Idle roller	Applies a pressure to paper and the transport roller and gives a transport power of the transport roller to the paper.	
76	Resist roller cleaner	Clean the resist roller.	AR-C160 only

f. Transfer section

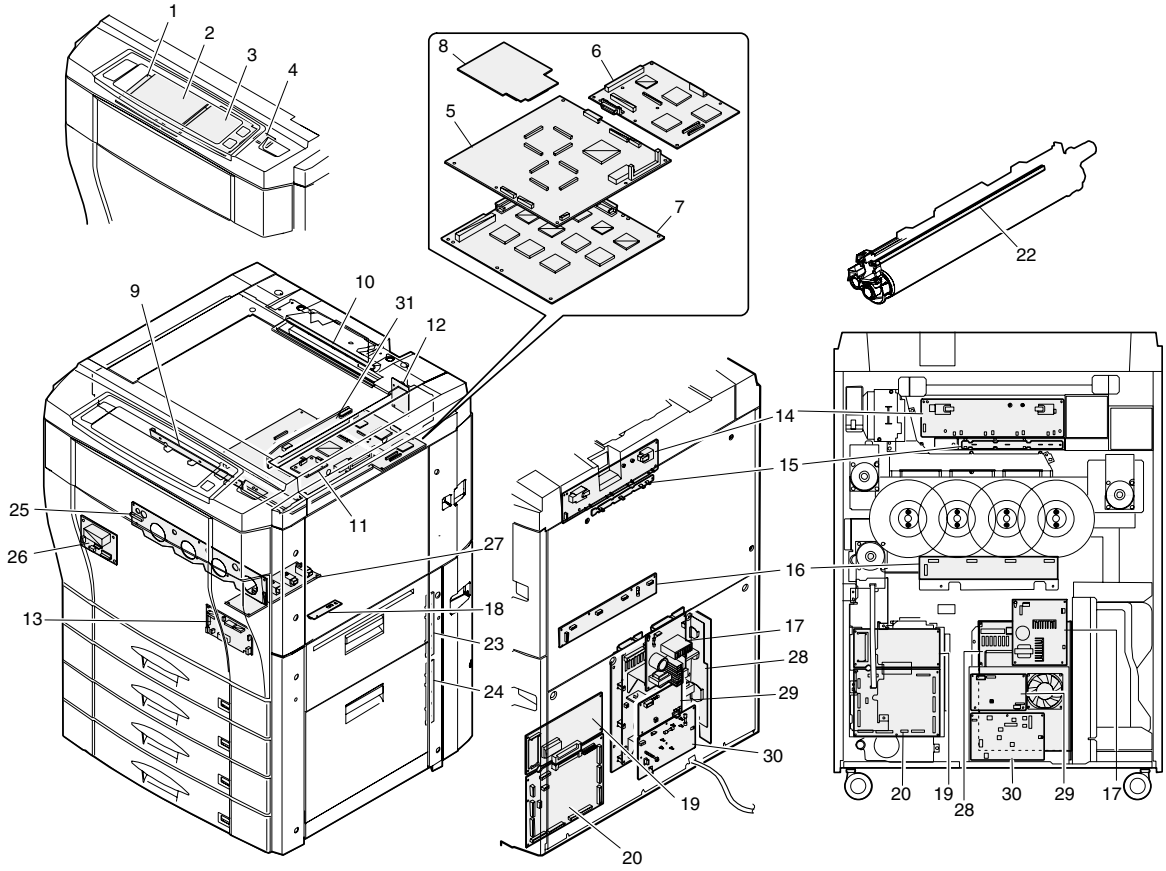


No.	Parts						Model	Note
	Code	Signal name	Name	Type	Function/Operation	Active condition		
1			Transfer unit		Transfers toner from the OPC drum to paper.			
2			Transfer belt separation pawl		Separates paper from the transfer belt mechanically.			Japan only
3	BPSS	BPSS	Separation pawl solenoid		Drives the separation solenoid.			Not equipped (AR-C160)
4			Transfer belt drive roller		Drives the transfer belt.			
5			Transfer discharge electrode		Discharges electric charges of the transfer belt.			4 pcs (Y, M, C, K)
6			Transfer roller		Applies a transfer voltage to the transfer belt.			4 pcs (Y, M, C, K)
7			Lift cam		Transmits the transfer belt lift motor power to the transfer unit.			Lifted up in color print mode, and lifted down in monochrome mode.
8	PCS	PCS	Image density sensor	Photo sensor (Photo reflection)	Detects toner patch density in image density correction.	Analog input		
9	BLUM	BLUM	Transfer belt motor	Stepping motor	Lifts the transfer belt unit.			

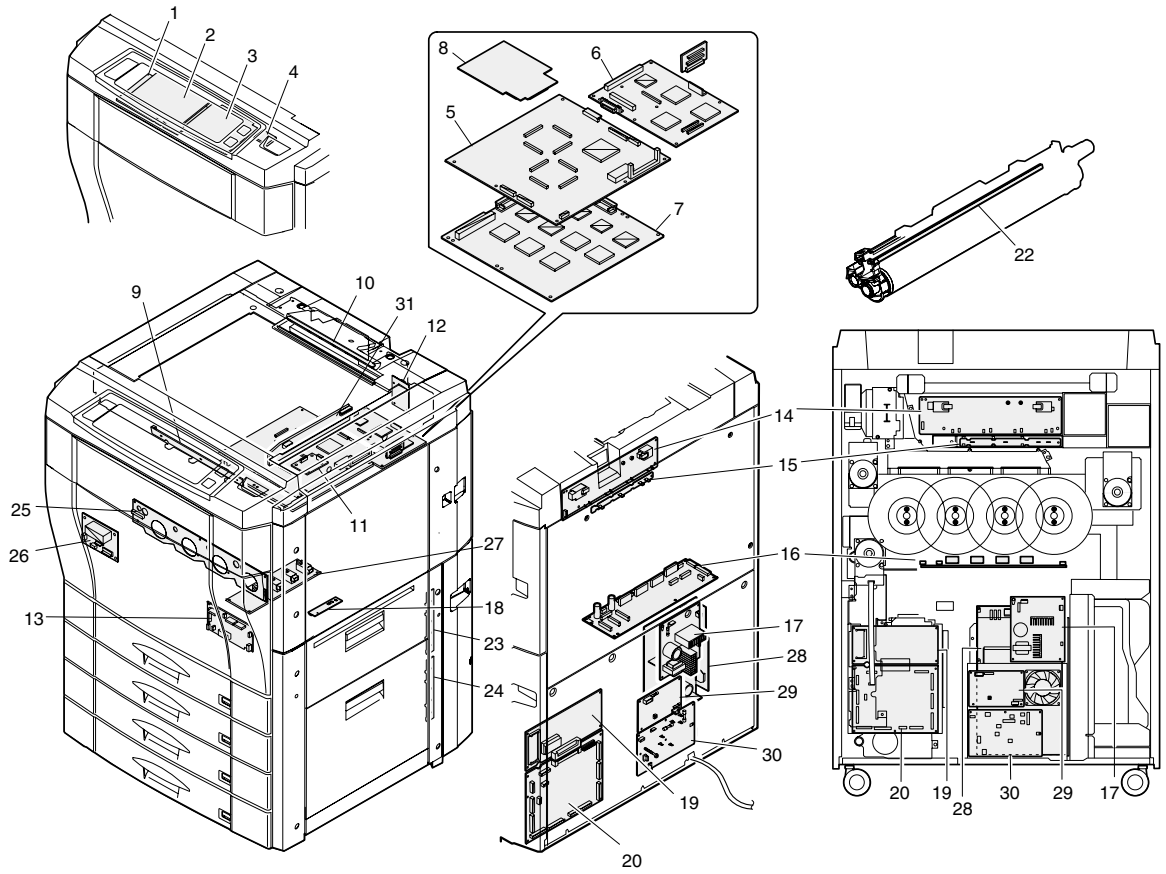
No.	Parts						Model	Note
	Code	Signal name	Name	Type	Function/Operation	Active condition		
10	CALS	CALS	Sensor switch solenoid		Selects the image density sensor.			Switches the sensor angle depending on detection of color toner patch density or black toner patch density.
11			TC high voltage power PWB		Generates the high voltage for transfer.			
12			Transfer belt		Transfers toner images on the OPC drum onto paper.			
13			Waste toner tank		Collects toner of toner patch used in image density correction.			
14			Transfer belt cleaning blade		Cleans toner of toner patch used in image density correction.			
15			Transfer belt idle roller		Applies a tension to the transfer belt.			
16			Transfer belt cleaning pad		Cleans the back of the transfer belt.			
17	BLUD	BLUD	Transfer belt position sensor	Photo sensor (Photo transmission)	Detects that the transfer belt is lifted up or down.	L when lifting up H when lifting down		
18	BTM	BTM	Transfer belt drive motor	Stepping motor	Drives the transfer belt.			
19	PSM	PSM	Resist roller drive motor	Stepping motor	Drives the resist roller and controls ON/OFF.			
20	HUD	HUD	Temperature sensor		Detects humidity in the machine.	Analog input		Each correction of image process section is made according to this sensor data.
21			PCU sub PWB		Controls the image process section.			
22			Oil pump		Supplies fusing oil to the fusing roller.			
23	PPD1	PPD1	Paper detector in front of resist roller	Photo sensor (Photo transmission)	Detects paper in front of the resist roller.	L with paper presence		This detector signal serves as the paper transport timing control signal to the transfer section.
24			Upper resist roller		Transports paper to the transfer section.			
25			Lower resist roller		Transports paper to the transfer section.			The operation timing is controlled by the resist roller motor.
26	BELTCH1	BELTCH1	Transfer belt installation detection switch (+24V)	Micro switch	Turns ON/OFF the +24V power line from the DC main power PWB to the PCU PWB.	ON when the transfer unit operation is allowed.		
27	BELTCH2	BELTCH2	Transfer belt installation detection switch (+5V)	Micro switch	Turns ON/OFF the +5V power line from the DC main power PWB to the PCU PWB.	ON when the transfer unit operation is allowed.		
28			Resist roller cleaner		Cleaning the resist roller		AR-C160	

(8) PWB

(AR-C150/C250)



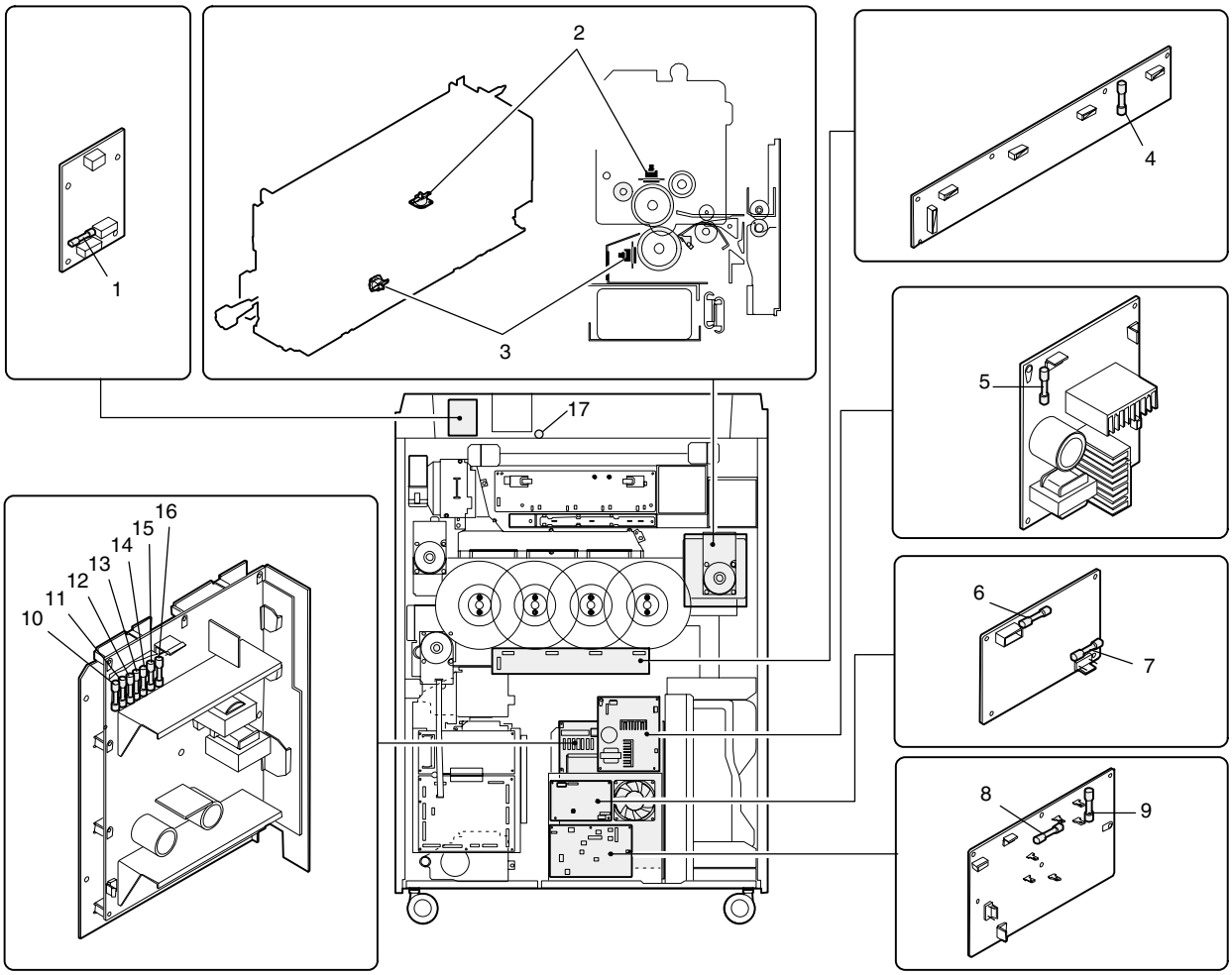
(AR-C160)



No.	Parts		Note
	Name	Function/Operation	
1	Operation PWB L	Outputs the key operation signals.	
2	OP control PWB	Controls the whole operation unit. (Displays information from the PCU PWB, and sends operation information to the PCU PWB.)	
3	Operation PWB R	Outputs the key operation signals.	
4	LCD back light inverter PWB	Drives the LCD back light.	
5	ICU-Main PWB	Controls the ICU SCN PWB, ICU IMG PWB, and CCD PWB. Converts digital image data into video signals and sends them to the scanner (writing) unit.	
6	ICU-SCN PWB	Performs correction of images outputted from the CCD.	
7	ICU-IMG PWB	Performs image processes such as area separation, color correction, black generation, gamma correction, and filter process.	
8	CPT PWB	Recognizes the bank note patterns.	
9	Original size sensor PWB (Light reception)	Detects the original size.	
10	Original size sensor (Light emitting)	Outputs light to detect the original size.	
11	CCD power PWB	Outputs the CCD PWB paper power.	
12	Scanner motor PWB	Scanner motor control PWB.	Controls the scanner motor.
13	PCU sub PWB	Controls the image process section.	
14	High voltage power PWB (MC/DV)	Generates the high voltage for main charger and the developing bias voltage.	
15	Main charger interface PWB	Interfaces the main charger power.	
16	OPC drum motor control/Signal interface PWB	Controls (drives) the OPC drum motor. (AR-C150/C250/C160) Signals are interfaced. (AR-C160)	
17	Scanner lamp control PWB	Controls the scanner lamp	
18	Humidity sensor PWB	Detects humidity in the machine.	Each correction of image process section is made by this sensor data.
19	PCU PWB (A)	Controls the engine section.	
20	PCU PWB (B)	Controls the engine section.	
21	Paper tray lift unit control PWB	Controls the paper tray lift unit.	Provided in each paper tray lift unit.
22	Discharge lamp PWB unit	Discharges electric charges on the OPC drum.	
23	IFD PWB	Equipped with No. 1/2 paper tray paper exit detectors and the right upper door open/close detector.	
24	PFD PWB unit	Equipped with No. 3/4 paper tray paper exit detectors and the right lower door open/close detector.	
25	Process control PWB	Interfaces signals between the developing unit, OPC drum unit, the high voltage PWB, and the PCU PWB.	
26	Fusing control PWB (AC sub PWB)	Interfaces the heater lamp drive control, sensor, detector signals.	
27	High voltage power PWB (TC)	Generates the transfer voltage.	
28	DC main power PWB (AR-C100/C150/C250) DC power PWB (AR-C160)	Generates the voltage used by the other units than the operation unit.	
29	DC sub power PWB (AR-C150/C250) Power control PWB (AR-C160)	Generates the voltage for the operation unit (AR-C150/C250) Controls powers of 24V, 5V and 3.3V in the sleep mode, the preheat mode, and the normal mode. (AR-C160)	
30	AC power PWB	Controls the primary side power (AC power).	
31	CCD PWB	Converts original images (light) into electrical signals.	

(9) Fuses, thermostat

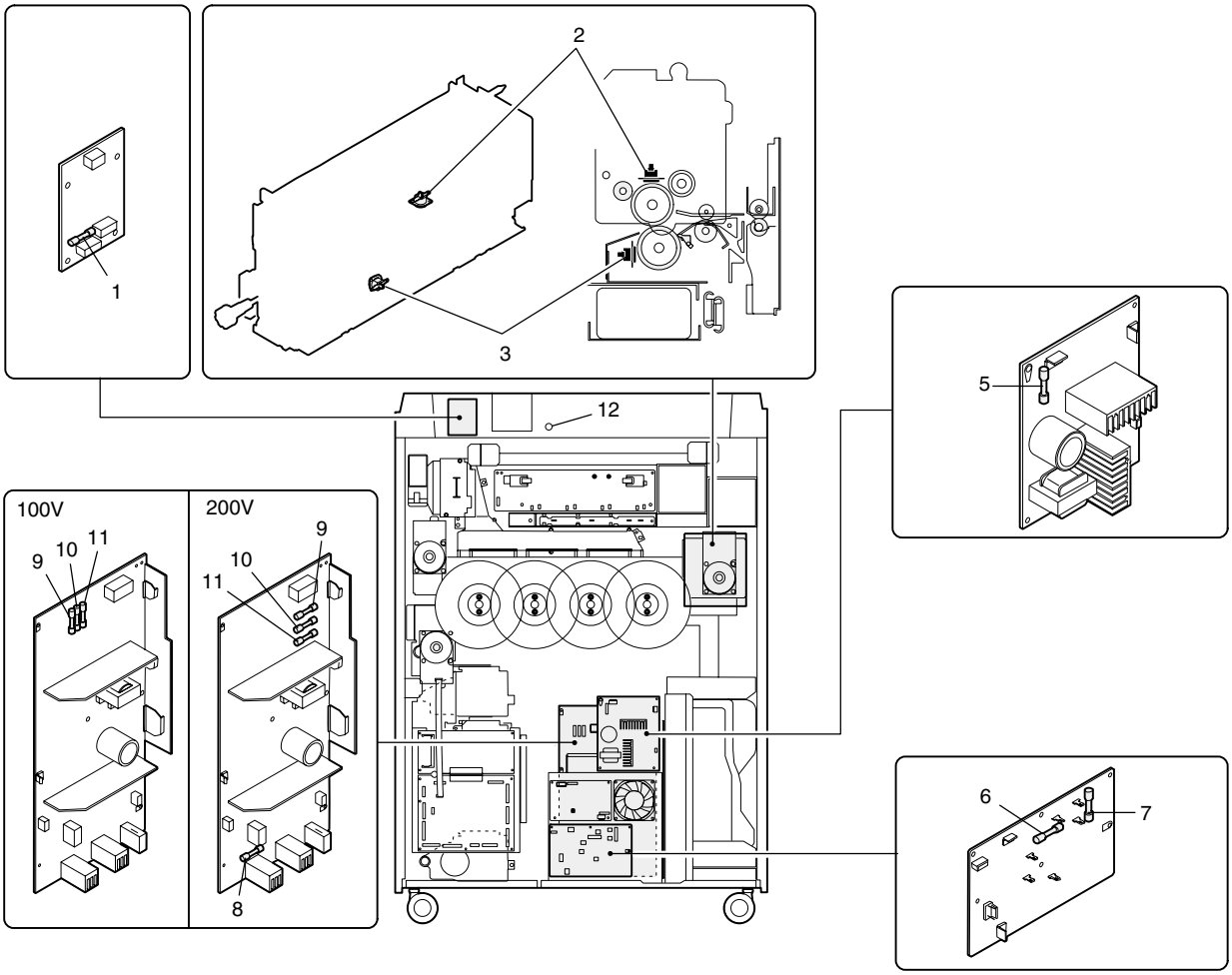
(AR-C150/C250)



No.	Parts					Note
	Code	Name	Type	Spec	Function/Operation	
1	F1	Scanner motor power fuse	Normal fuse		Protects the scanner motor and its control circuit from an overcurrent.	Scanner motor control PWB
2	HLTSU	Upper heat roller thermostat	Thermostat		Cuts conduction to the heater lamp when the temperature rises abnormally.	Fusing unit
3	HLTSD	Lower heat roller thermostat	Thermostat		Cuts conduction to the heater lamp when the temperature rises abnormally.	Fusing unit
4	F101	OPC drum motor power fuse	Normal fuse		Protects the OPC drum motor and its control circuit from an overcurrent.	OPC drum motor control PWB
5	F701	Scanner lamp power fuse	Normal fuse	250V 4A	Protects the scanner lamp from an overcurrent.	Scanner lamp control PWB
6	F712	DC sub power 26V power fuse	Normal fuse	250V 1A	Protects the PCC main PWB and the operation control PWB form an overcurrent.	DC sub power PWB
7	F711	DC sub power primary size fuse	Normal fuse	250V 3.15A	Protects the DC sub power primary side from an overcurrent.	DC sub power PWB
8	F102	AC main power primary side fuse	Normal fuse	125V 20A	Protect the AC main power primary side from an overcurrent.	Japan
		AC main power primary side fuse	Normal fuse	250V 15A	Protect the AC main power primary side from an overcurrent.	100V series
		AC main power primary side fuse	Normal fuse	240V 10A	Protect the AC main power primary side from an overcurrent.	200V series
9	F101	AC main power primary side fuse	Normal fuse	125V 20A	Protect the AC main power primary side from an overcurrent.	Japan
		AC main power primary side fuse	Normal fuse	250V 15A	Protect the AC main power primary side from an overcurrent.	100V series
		AC main power primary side fuse	Normal fuse	240V 10A	Protect the AC main power primary side from an overcurrent.	200V series
10	F702	DC main power + 5V fuse	Normal fuse	125V 6.3A	Protects the ICU PWB from an overcurrent.	100V series

No.	Parts					Note
	Code	Name	Type	Spec	Function/Operation	
11	F703	DC main power + 5V fuse	Normal fuse	125V 6.3A	Protects the PCU main PWB, LSU, and CCD power PWB from an overcurrent.	100V series
12	F704	DC main power + 24V	Normal fuse	125V 6.3A	Protects the PCU main PWB from an overcurrent.	100V series
		DC main power + 24V	Normal fuse	250V 6.3A	Protects the PCU main PWB and the high voltage PWB (MC/DN) from an overcurrent.	200V series
13	F705	DC main power + 24V	Normal fuse	125V 6.3A	Protects the PCU main PWB and the high voltage PWB (MC/DN) from an overcurrent.	100V series
		DC main power + 24V	Normal fuse	250V 6.3A	Protects the PCU main PWB from an overcurrent.	200V series
14	F706	DC main power + 24V	Normal fuse	125V 6.3A	Protects the scanner motor control PWB, LSU, and CCD power PWB from an overcurrent.	100V series
		DC main power + 24V	Normal fuse	250V 6.3A	Protects the scanner motor control PWB, LSU, and CCD power PWB from an overcurrent.	200V series
15	F707	DC main power + 24V	Normal fuse	125V 6.3A	Protects the process control PWB, the OPC drum control PWB, and the developing motor (color) from an overcurrent.	100V series
		DC main power + 24V	Normal fuse	250V 6.3A	Protects the process control PWB, the OPC drum control PWB, and the developing motor (color) from an overcurrent.	200V series
16	F708	DC main power + 24V	Normal fuse	125V 6.3A	Protects the PCU main PWB, RADF, the sorter, the large capacity paper tray, the OPC drum control PWB, and the developing motor (color) from an overcurrent.	100V series
		DC main power + 24V	Normal fuse	250V 6.3A	Protects the PCU main PWB, RADF, the sorter, the large capacity paper tray, the OPC drum control PWB, and the developing motor (color) from an overcurrent.	200V series
17		Scanner lamp temperature fuse	Temperature fuse	104°C 250V 10A	Cuts conduction to the scanner lamp when the temperature rises abnormally.	

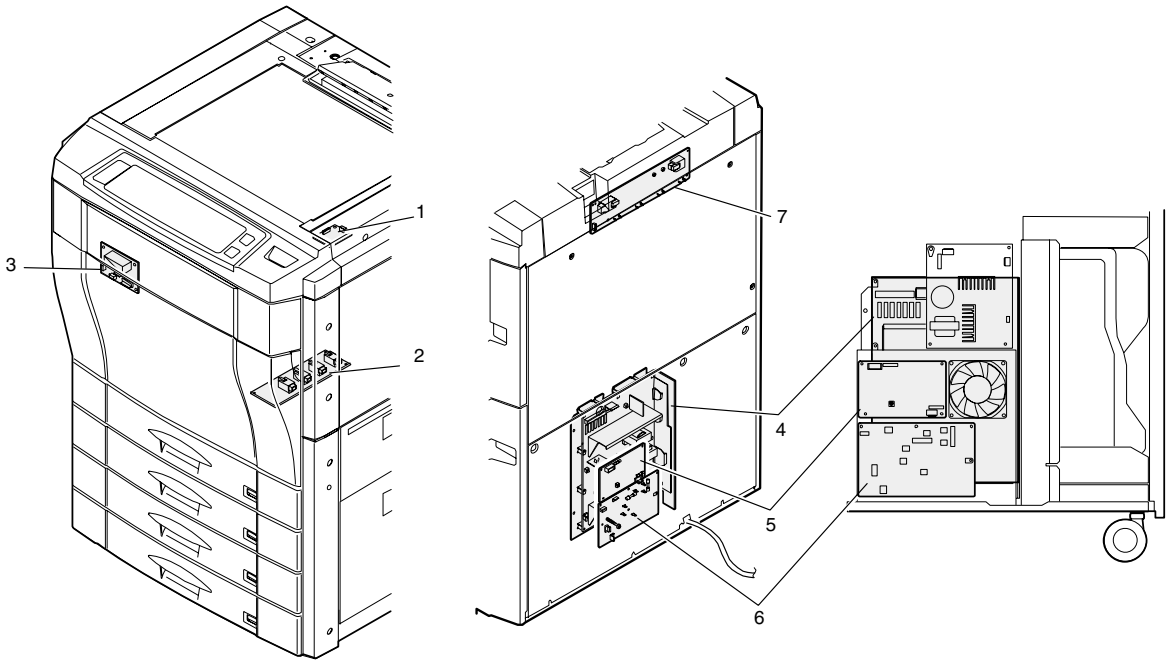
(AR-C160)



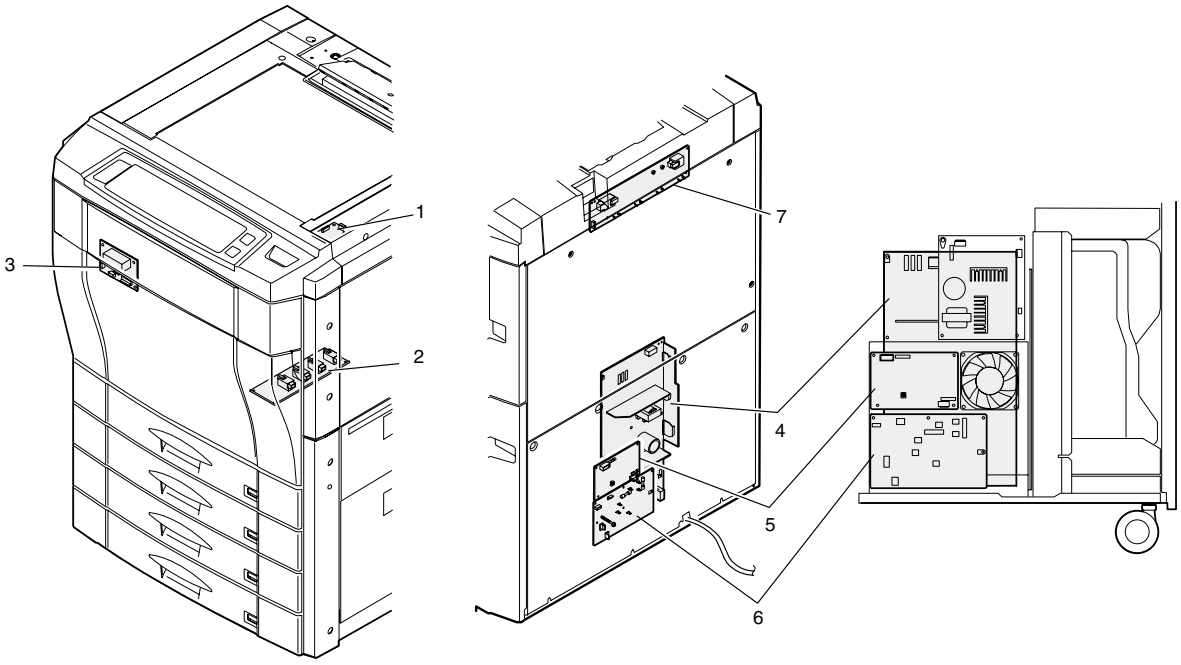
No.	Parts					Note
	Code	Name	Type	Spec	Function/Operation	
1	F1	Scanner motor power fuse	Normal fuse		Protects the scanner motor and its control circuit from an overcurrent.	Scanner motor control PWB
2	HLTSU	Upper heat roller thermostat	Thermostat		Cuts conduction to the heater lamp when the temperature rises abnormally.	Fusing unit
3	HLTSD	Lower heat roller thermostat	Thermostat		Cuts conduction to the heater lamp when the temperature rises abnormally.	Fusing unit
4	F101	OPC drum motor power fuse	Normal fuse		Protects the OPC drum motor and its control circuit from an overcurrent.	OPC drum motor control PWB
5	F701	Scanner lamp power fuse	Normal fuse	250V 4A	Protects the scanner lamp from an overcurrent.	Scanner lamp control PWB
6/7	F102/F101	AC main power primary side fuse	Normal fuse	125V 20A	Protect the AC main power primary side from an overcurrent.	Japan
		AC main power primary side fuse	Normal fuse	250V 15A	Protect the AC main power primary side from an overcurrent.	100V series
		AC main power primary side fuse	Normal fuse	240V 10A	Protect the AC main power primary side from an overcurrent.	200V series
8	F1	DC power primary side fuse	Normal fuse	250V 4.0A	Protect the DC power primary side from an overcurrent.	200V series
9	F2	DC main power + 24V	Normal fuse	125V 4.0A	Overcurrent protection of the LSU, the OPC drum motor, the RADF, the finisher, the PCU MAIN PWB, the paper feed/transport section motors	100V series
		DC main power + 24V	Normal fuse	250V 6.3A		200V series
10	F3	DC main power + 24V	Normal fuse	125V 4.0A	Overcurrent protection of the PCU SUB PWB, the transfer belt section motor, the fusing motor, the developing motor (color), the CD power PWB, and the high voltage (TC) PWB	100V series
		DC main power + 24V	Normal fuse	250V 6.3A		200V series
11	F4	DC main power + 24V	Normal fuse	125V 4.0A	Overcurrent protection of the developing motor (black), the high voltage (MC, DV) PWB, the LCC, the scanner motor, the operation PWB, the ADU, and the printer controller	100V series
		DC main power + 24V	Normal fuse	250V 6.3A		200V series
12		Scanner lamp temperature fuse	Temperature fuse	104℃ 250V 10A	Cuts conduction to the scanner lamp when the temperature rises abnormally.	

(11) Power source

(AR-C150/C250)



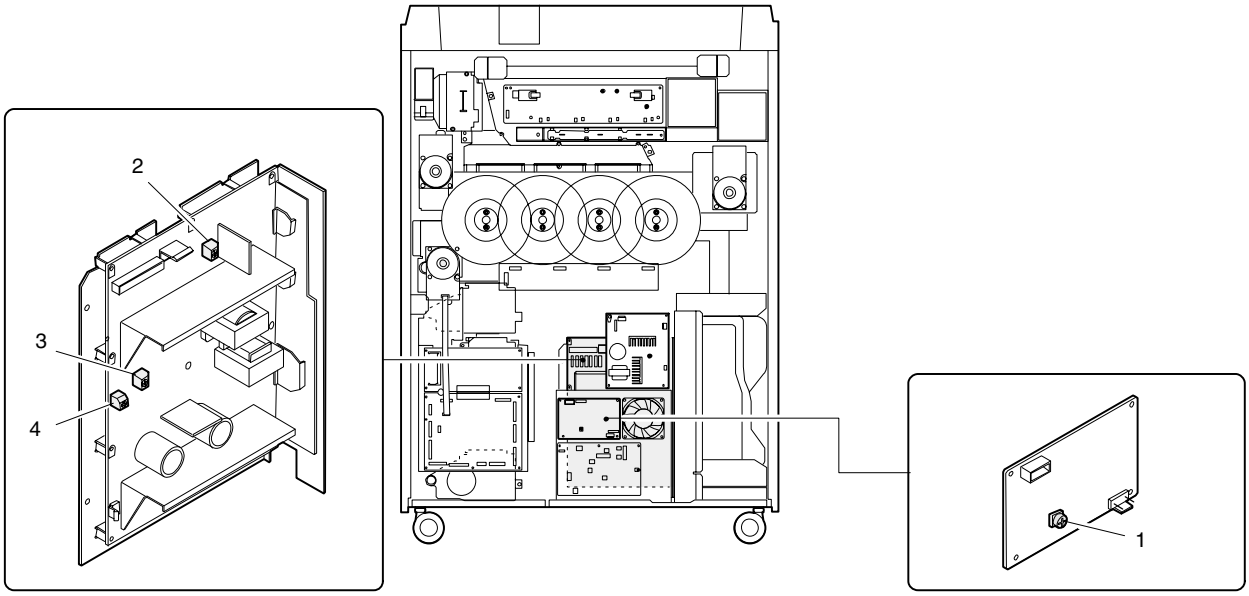
(AR-C160)



No.	Parts			Note
	Name	Function/Operation	Spec	
1	CCD power PWB	Outputs the CCD PWB power.		
2	High voltage power PWB (TC)	Generates the transfer voltage.		
3	Fusing control PWB (AC sub PWB)	Interfaces the heater lamp drive control, the sensor, and the detector signals.		
4	DC main power PWB	Generates a voltage used by the other unit than the operation unit.		
5	Dc sub power PWB (AR-C150/C250) Power control PWB (AR-C160)	Generates a vlotage for the operation unit (AR-C150/C250) Controls powers of 24V, 5V and 3.3V in the sleep mode, the preheat mode, and the normal mode. (AR-C160)		
6	AC main power PWB	Controls the power (AC power) on the primary side.		
7	High voltage power PB (MC/DV)	Generates the high voltage for the main charger and the developing bias voltage.		

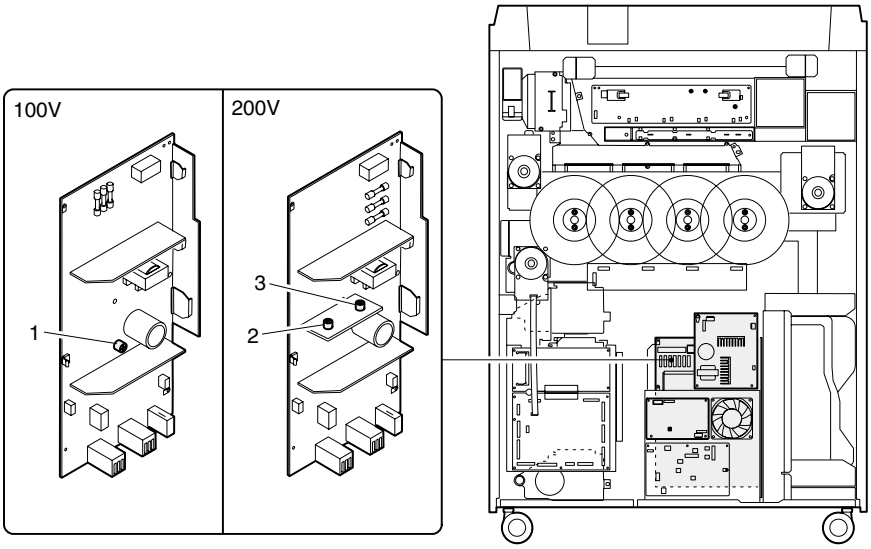
(12) Adjustment volumes

(AR-C150/C250)



No.	Parts			Note
	Code	Name	Function/Operation	
1	VR1	HLV power voltage adjustment volume	Adjusts the HLV voltage.	DC sub power PWB
2	VR704	+3.4V power voltage adjustment volume	Adjusts the +3.4V power voltage.	DC main power PWB
3	VR703	+5V power voltage adjustment volume	Adjusts the +5Vpower voltage.	DC main power PWB
4	VR702	+24V power voltage adjustment volume	Adjusts the +24V power voltage.	DC main power PWB

(AR-C160)



No.	Parts			Note
	Code	Name	Function/Operation	
1	RV2 (100V series)	+3.4V power voltage adjustment volume	Adjusts the +3.4V power voltage.	DC power PWB
2	VR201 (200V series)	+5V power voltage adjustment volume	Adjusts the +5Vpower voltage. (200V series)	DC power PWB
3	VR301 (200V series)	+3.4V power voltage adjustment volume	Adjusts the +3.4V power voltage.	DC power PWB

[6] MACHINE OPERATIONS

1. Operation mode

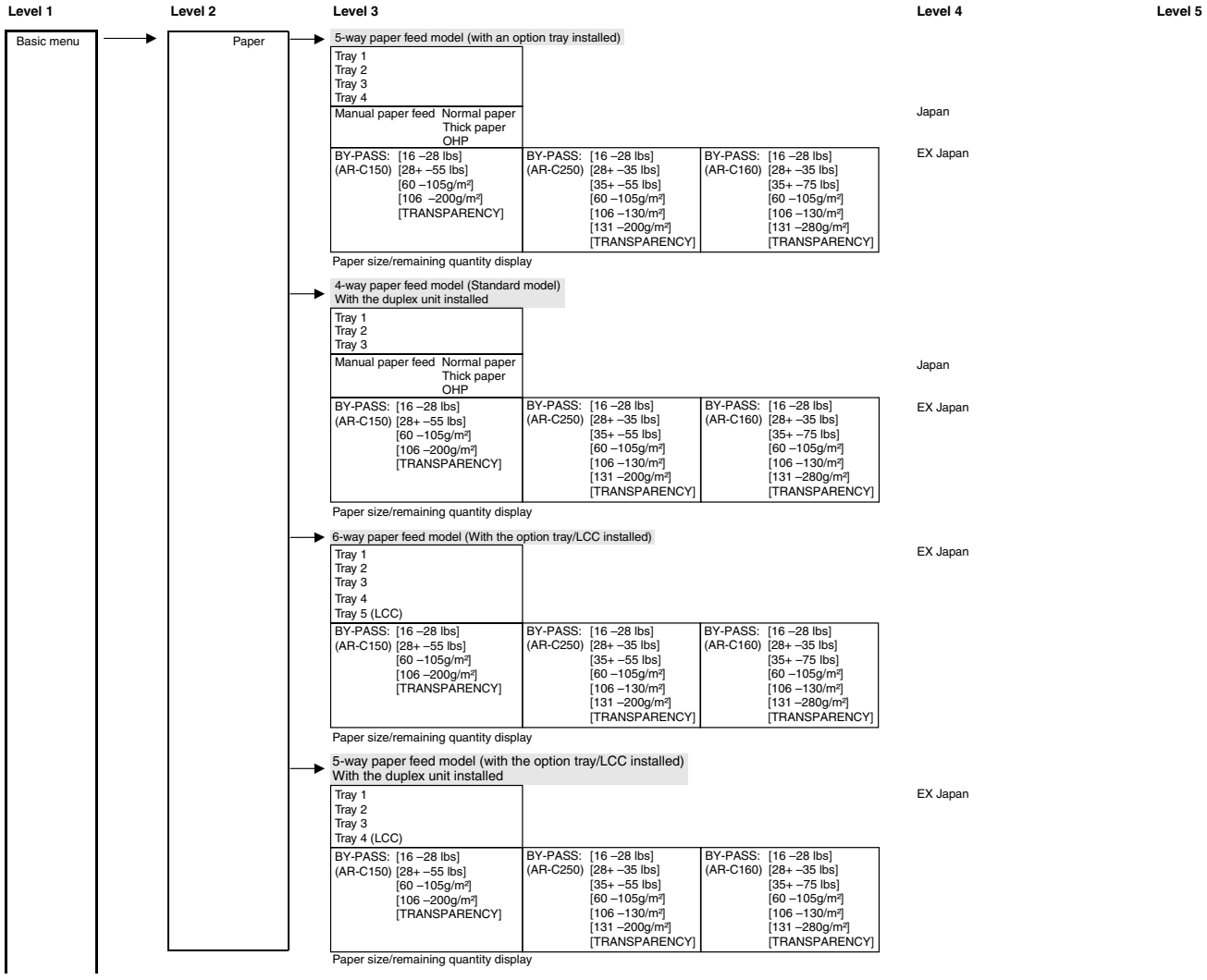
This machine has the following operation modes.

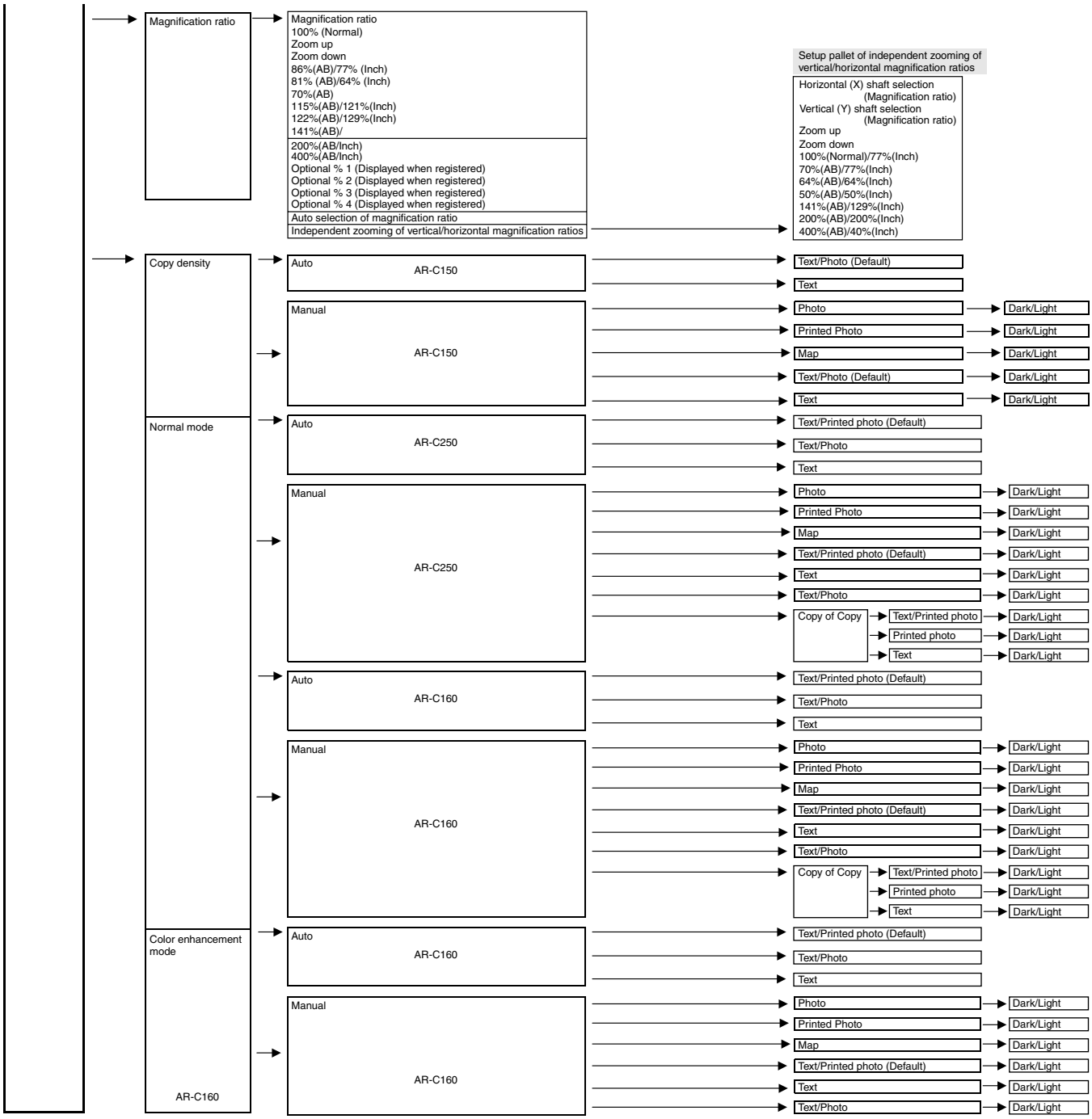
Mode		Contents
Copy mode	Basic operation mode	Used to select paper and set the copy magnification ratio and copy density, etc.
	Special function mode	Used to edit images and adjust color.
	Duplex copy mode	Used to make various setups of duplex copy mode.
	Finishing mode	Used to make various setups related to the sorter.
	Job program mode	Used to preset the copy operation conditions.
	User setup mode	Used to make setup of the specifications according to the user's needs.
	Operation guidance mode	Help menu (Displays the operational descriptions on copying.)
Printer mode		Uses the print server (option) to perform as a printer.
Power save mode	Pre-heat mode	Used to lower the fusing temperature, saving the power consumption.
	Sleep mode	Used to stop the sections except for the control PWB section.
Simulation mode		Used in servicing to set, adjust, and check operations.

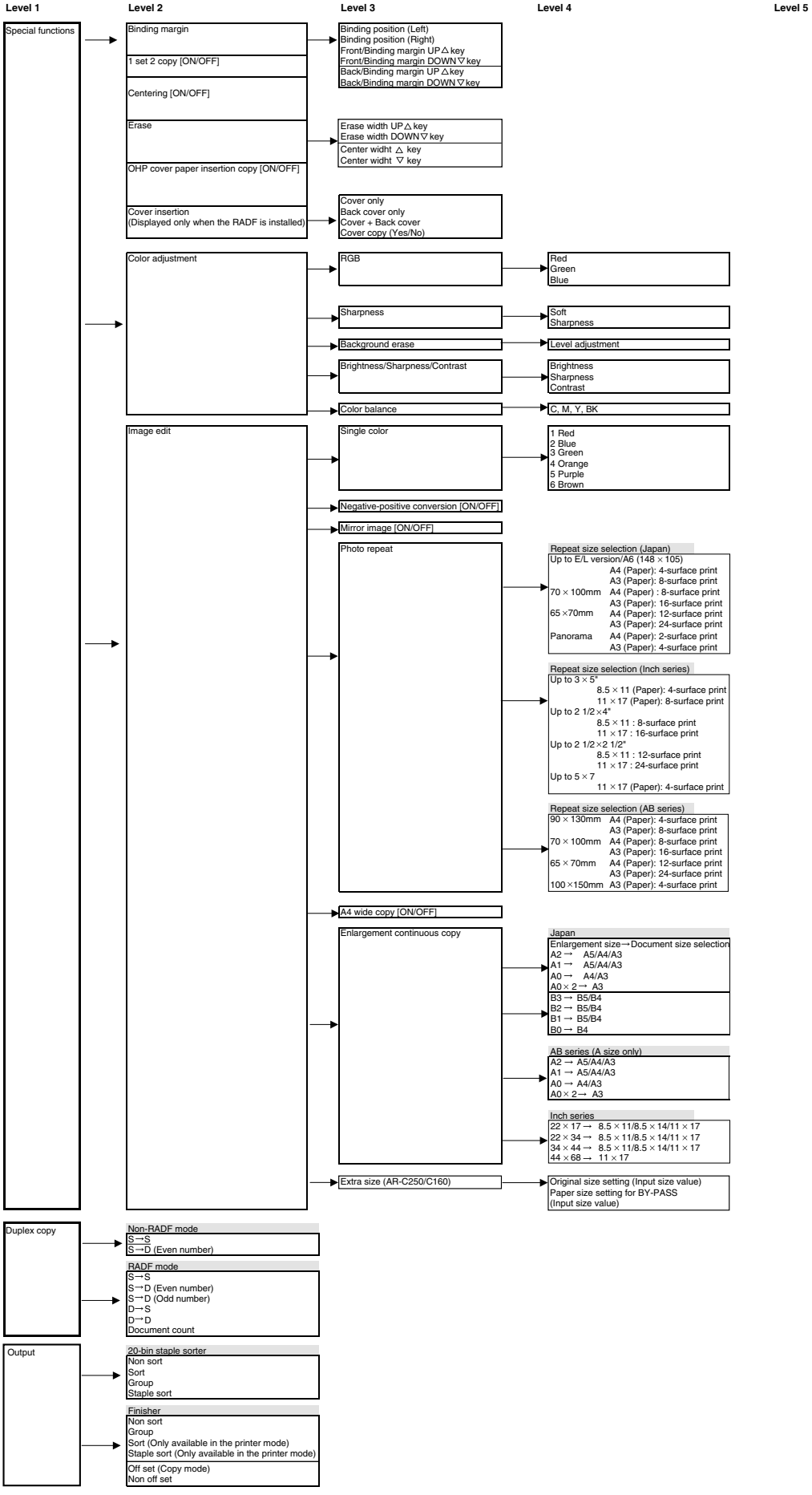
2. Operation menu

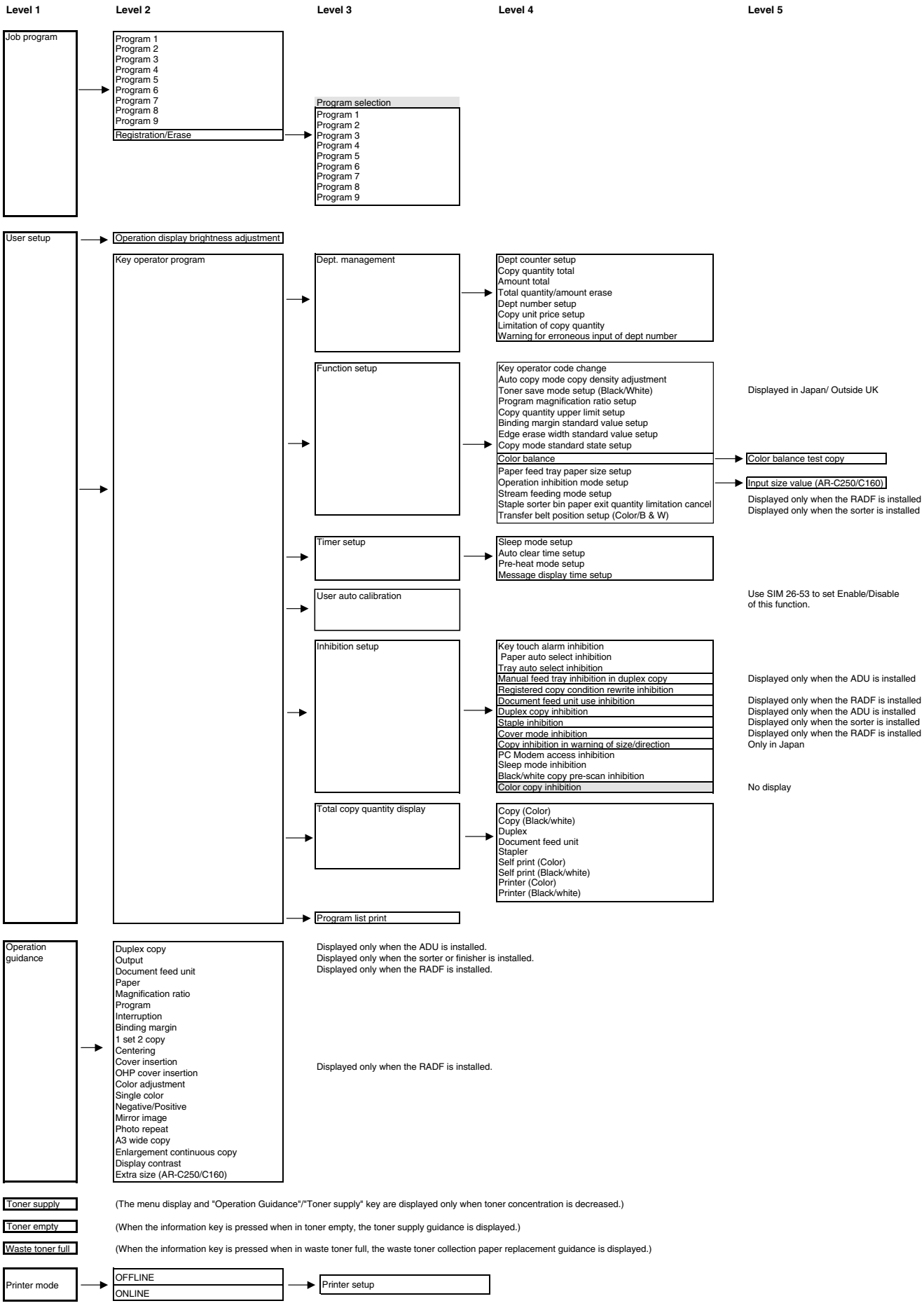
This machine has the following operation menus.
These operation menus differ depending on installation of options and the configurations.

AR-C150/C250/C160 Operation Menus




Magnification ratio
Magnification ratio
100% (Normal)
Zoom up
Zoom down
86%(AB)/77% (Inch)
81% (AB)/64% (Inch)
70%(AB)
115%(AB)/121%(Inch)
122%(AB)/129%(Inch)
141%(AB)/
200%(AB/Inch)
400%(AB/Inch)
Optional % 1 (Displayed when registered)
Optional % 2 (Displayed when registered)
Optional % 3 (Displayed when registered)
Optional % 4 (Displayed when registered)
Auto selection of magnification ratio
Independent zooming of vertical/horizontal magnification ratios
Setup pallet of independent zooming of vertical/horizontal magnification ratios
Horizontal (X) shaft selection (Magnification ratio)
Vertical (Y) shaft selection (Magnification ratio)
Zoom up
Zoom down
100%(Normal)/77%(Inch)
70%(AB)/77%(Inch)
64%(AB)/64%(Inch)
50%(AB)/50%(Inch)
141%(AB)/129%(Inch)
200%(AB)/200%(Inch)
400%(AB)/40%(Inch)
Copy density
Auto
AR-C150
Text/Photo (Default)
Text
Manual
AR-C150
Photo
Printed Photo
Map
Text/Photo (Default)
Text
Dark/Light
Normal mode
Auto
AR-C250
Text/Printed photo (Default)
Text/Photo
Text
Manual
AR-C250
Photo
Printed Photo
Map
Text/Printed photo (Default)
Text
Text/Photo
Copy of Copy
Text/Printed photo
Printed photo
Text
Dark/Light
Auto
AR-C160
Text/Printed photo (Default)
Text/Photo
Text
Manual
AR-C160
Photo
Printed Photo
Map
Text/Printed photo (Default)
Text
Text/Photo
Copy of Copy
Text/Printed photo
Printed photo
Text
Dark/Light
Color enhancement mode
Auto
AR-C160
Text/Printed photo (Default)
Text/Photo
Text
Manual
AR-C160
Photo
Printed Photo
Map
Text/Printed photo (Default)
Text
Text/Photo
Dark/Light


Level 1
Level 2
Level 3
Level 4
Level 5
Special functions
Binding margin
Binding position (Left)
Binding position (Right)
Front/Binding margin UP △ key
Front/Binding margin DOWN ▽ key
Back/Binding margin UP △ key
Back/Binding margin DOWN ▽ key
1 set 2 copy [ON/OFF]
Centering [ON/OFF]
Erase
Erase width UP △ key
Erase width DOWN ▽ key
Center widht △ key
Center widht ▽ key
OHP cover paper insertion copy [ON/OFF]
Cover insertion
(Displayed only when the RADF is installed)
Cover only
Back cover only
Cover + Back cover
Cover copy (Yes/No)
Color adjustment
RGB
Red
Green
Blue
Sharpness
Soft
Sharpness
Background erase
Level adjustment
Brightness/Sharpness/Contrast
Brightness
Sharpness
Contrast
Color balance
C, M, Y, BK
Image edit
Single color
1 Red
2 Blue
3 Green
4 Orange
5 Purple
6 Brown
Negative-positive conversion [ON/OFF]
Mirror image [ON/OFF]
Photo repeat
Repeat size selection (Japan)
Up to E/L version/A6 (148 × 105)
A4 (Paper): 4-surface print
A3 (Paper): 8-surface print
70 × 100mm
A4 (Paper) : 8-surface print
A3 (Paper): 16-surface print
65 ×70mm
A4 (Paper): 12-surface print
A3 (Paper): 24-surface print
Panorama
A4 (Paper): 2-surface print
A3 (Paper): 4-surface print
Repeat size selection (Inch series)
Up to 3 × 5"
8.5 × 11 (Paper): 4-surface print
11 × 17 (Paper): 8-surface print
Up to 2 1/2 × 4"
8.5 × 11 : 8-surface print
11 × 17 : 16-surface print
Up to 2 1/2 × 2 1/2"
8.5 × 11 : 12-surface print
11 × 17 : 24-surface print
Up to 5 × 7
11 × 17 (Paper): 4-surface print
Repeat size selection (AB series)
90 × 130mm
A4 (Paper): 4-surface print
A3 (Paper): 8-surface print
70 × 100mm
A4 (Paper): 8-surface print
A3 (Paper): 16-surface print
65 × 70mm
A4 (Paper): 12-surface print
A3 (Paper): 24-surface print
100 ×150mm
A3 (Paper): 4-surface print
A4 wide copy [ON/OFF]
Enlargement continuous copy
Japan
Enlargement size→Document size selection
A2 → A5/A4/A3
A1 → A5/A4/A3
A0 → A4/A3
A0 × 2 → A3
B3 → B5/B4
B2 → B5/B4
B1 → B5/B4
B0 → B4
AB series (A size only)
A2 → A5/A4/A3
A1 → A5/A4/A3
A0 → A4/A3
A0 × 2 → A3
Inch series
22 × 17 → 8.5 × 11/8.5 × 14/11 × 17
22 × 34 → 8.5 × 11/8.5 × 14/11 × 17
34 × 44 → 8.5 × 11/8.5 × 14/11 × 17
44 × 68 → 11 × 17
Extra size (AR-C250/C160)
Original size setting (Input size value)
Paper size setting for BY-PASS
(Input size value)
Duplex copy
Non-RADF mode
S→S
S→D (Even number)
RADF mode
S→S
S→D (Even number)
S→D (Odd number)
D→S
D→D
Document count
Output
20-bin staple sorter
Non sort
Sort
Group
Staple sort
Finisher
Non sort
Group
Sort (Only available in the printer mode)
Staple sort (Only available in the printer mode)
Off set (Copy mode)
Non off set

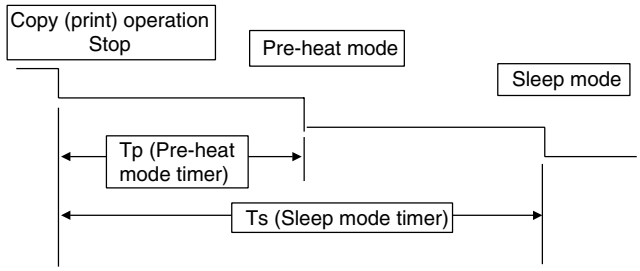

Level 1
Level 2
Level 3
Level 4
Level 5
Job program
Program 1
Program 2
Program 3
Program 4
Program 5
Program 6
Program 7
Program 8
Program 9
Registration/Erase
Program selection
Program 1
Program 2
Program 3
Program 4
Program 5
Program 6
Program 7
Program 8
Program 9
User setup
Operation display brightness adjustment
Key operator program
Dept. management
Dept counter setup
Copy quantity total
Amount total
Total quantity/amount erase
Dept number setup
Copy unit price setup
Limitation of copy quantity
Warning for erroneous input of dept number
Function setup
Key operator code change
Auto copy mode copy density adjustment
Toner save mode setup (Black/White)
Displayed in Japan/ Outside UK
Program magnification ratio setup
Copy quantity upper limit setup
Binding margin standard value setup
Edge erase width standard value setup
Copy mode standard state setup
Color balance
Color balance test copy
Paper feed tray paper size setup
Operation inhibition mode setup
Input size value (AR-C250/C160)
Stream feeding mode setup
Displayed only when the RADF is installed
Staple sorter bin paper exit quantity limitation cancel
Displayed only when the sorter is installed
Transfer belt position setup (Color/B & W)
Timer setup
Sleep mode setup
Auto clear time setup
Pre-heat mode setup
Message display time setup
User auto calibration
Use SIM 26-53 to set Enable/Disable
of this function.
Inhibition setup
Key touch alarm inhibition
Paper auto select inhibition
Tray auto select inhibition
Manual feed tray inhibition in duplex copy
Displayed only when the ADU is installed
Registered copy condition rewrite inhibition
Document feed unit use inhibition
Displayed only when the RADF is installed
Duplex copy inhibition
Displayed only when the ADU is installed
Staple inhibition
Displayed only when the sorter is installed
Cover mode inhibition
Displayed only when the RADF is installed
Copy inhibition in warning of size/direction
Only in Japan
PC Modem access inhibition
Sleep mode inhibition
Black/white copy pre-scan inhibition
Color copy inhibition
No display
Total copy quantity display
Copy (Color)
Copy (Black/white)
Duplex
Document feed unit
Stapler
Self print (Color)
Self print (Black/white)
Printer (Color)
Printer (Black/white)
Program list print
Operation guidance
Duplex copy
Displayed only when the ADU is installed.
Output
Document feed unit
Displayed only when the sorter or finisher is installed.
Paper
Magnification ratio
Displayed only when the RADF is installed.
Program
Interruption
Binding margin
1 set 2 copy
Centering
Cover insertion
Displayed only when the RADF is installed.
OHP cover insertion
Color adjustment
Single color
Negative/Positive
Mirror image
Photo repeat
A3 wide copy
Enlargement continuous copy
Display contrast
Extra size (AR-C250/C160)
Toner supply
(The menu display and "Operation Guidance"/"Toner supply" key are displayed only when toner concentration is decreased.)
Toner empty
(When the information key is pressed when in toner empty, the toner supply guidance is displayed.)
Waste toner full
(When the information key is pressed when in waste toner full, the waste toner collection paper replacement guidance is displayed.)
Printer mode
OFFLINE
ONLINE
Printer setup

3. Pre-heat mode and sleep mode operations

A. Operation timing

This machine has a pre-heat mode and a sleep mode to save the power consumption when copying (printing) is not performed.
The shift timing to the pre-heat mode and the sleep mode can be set with the user program with the non-operating state as the start point.
The timing of the two modes can be separately set. It is possible to shift from the normal mode directly to the sleep mode without passing through the pre-heat mode.

Operation timing in the pre-heat mode and the sleep mode



Tp and Ts are set by the user program.

Timer	Set time
TP	10 - 240min
Ts	10 - 240min

(Pre-heat mode cancel conditions)

In the following cases, the pre-heat mode is canceled.

Control section	Phenomenon	NOTE
Operation section	Key input other than 10-key (Including Key ON)	
Auditor section	Card insertion (Only in the card counter mode) (Japan only)	
	Coin insertion (Only in the coin vendor mode) (Japan only)	
Original size sensor section	Original size change (Including Original Empty → Presence, Presence → Empty)	
RADF section	RADF original size change (Including Original Empty → Presence, Presence → Empty)	
Paper tray section		
Finishing		
Copy	Copying	
Self print		
Printer control	Printer operation	
Scanner (reading)	Scanner operation	

(Sleep mode cancel condition)

In the following cases, the sleep mode is canceled.

Copy	Copying	NOTE
Self print		
Printer control	Printer operation	
Scanner (reading)	Scanner operation	

(Sleep mode shift timing extending condition)

When the non-operation of copying and printing continues and the following case occurs within 10 min of entering the sleep mode, set the sleep mode timer to 10 min again, and extend the shift timing to the sleep mode.

Control section	Phenomenon	NOTE
Operation section	Key input other than 10-key (Including Key ON)	
Auditor section	Card insertion (Only in the card counter mode) (Japan only)	
	Coin insertion (Only in the coin vendor mode) (Japan only)	
Original size detection (Original size sensor section)	Original size change (Including Original Empty → Presence, Presence → Empty)	
RADF section	RADF original size change (Including Original Empty → Presence, Presence → Empty)	
Paper tray section	Paper tray attachment/ detachment detection, Paper tray lift operation	
Finishing (sorter)	Staple execution, (Front take-up execution)	
Copy	Copying	
Self print	Self printing	
Printer control	Printer operation	
Scanner (reading)	Scanner operation	

B. Pre-heat mode and sleep mode operations

(1) Control unit operations in the pre-heat mode and the sleep mode

a. Operation (operation panel) section

Mode	Operation		NOTE
Sleep	LCD display	Does not display.	
	LED lights up.	Printer/Copy : Light up. Start, interruption, data, online: Does not light up.	
	Key	Printer/Copy key: Valid Other keys: Invalid	
	Original detection	Original size sensor: Does not operate. Original cover open/close detection: Does not operate	
	Card reader	Does not operate.	Japan only
Pre-heat mode	All load operations possible		
Normal			

b.PCU PWB

Mode	Operates.	NOTE
Sleep	Does not operate.	
Preheat	Refer to "d. Signals controlled by the PCU PWB in the pre-heat mode".	
Normal	Operates.	

c.ICU PWB

Mode	Operates.	NOTE
Sleep	Does not operate.	
Low power		
Normal	Operates.	

(Signals controlled by the PCU PWB in the pre-heat mode)

Section	Signal name	Content	Operation in the pre-heat mode
Manual paper feed	MPWS	Manual feed width detection	Does not operate.
	MPLD1	Manual feed length detection	
	MPLD2	Manual feed length detection	
	MTOP1	Manual feed tray pull-out detection	
	MTOP2	Manual feed tray pull-out detection	
	MPED	Manual feed paper empty detection	
Paper feed tray	C*SS1	Paper size detection	Does not operate.
	C*SS2	Paper size detection	
	C*SS3	Paper size detection	
	C*SS4	Paper size detection	
	PED*	Paper empty detection	
	LUD*	Paper upper limit detection	
	C*PD1	Paper remaining quantity detection 1	
	LUM_ENB*	Paper tray lift-up motor	
Paper transport	PFD*	Cassette paper feed detection	Does not operate.
	PPD1	Paper detection in front of RR roller	
	POD	Machine paper exit detection	
	PODF	Finisher paper exit detection	
	PFM	Paper feed motor	
	TRC	Transport clutch	
	MPFS	Manual paper feed solenoid	
	MPFC	Manual paper feed clutch	
	CPFS*	Cassette paper feed solenoid	
	CPFC*	Cassette paper feed clutch	
	RRM_START	RR motor	
Developing	PRD_AN?	Toner concentration detection	Does not operate.
Fusing	HLPR	HL power relay	ON
Waste toner	TBBOX	Waste toner bottle installation detection	Does not operate.
	TFD	Waste toner full detection	
Image process	DMENB	All OPC drum drive motor	Does not operate.
	DVKM	Developing motor (Black)	
	DVCM	Developing motor (Color)	
	HPCH	Toner hopper installation detection	
	PRD_ANRTH	Image process temperature detection	
Coin vendor (Japan only)	CV_COPY	B/W copy allow signal	❍ (No Money insertion → Detection ; pre-heat mode canceled)
	CV_CLCOPY	Color copy allow signal	
	CV_COUNT	Count signal	Does not operate.
	CV_START	Copy start signal	
	CV_COLOR	Color signal	
	CV_SIZE0	Size signal 0	
	CV_SIZE1	Size signal 1	
	CV_SIZE2	Size signal 2	
	CV_SIZE3	Size signal 3	
Scanner (reading)	MHPS	Mirror home position detection	Does not operate.
	SMENB	Scanner (writing) motor	
Copy lamp	CL	Scanner lamp	Does not operate.
Fan	CFM	Scanner (reading) cooling fan	Does not operate.
	VFPWM	Fusing exhaust/cooling fan	Operates. (Only the fusing exhaust fan is operable.)
	LSUPWM	LSU cooling fan (LSUFM)	Does not operate.
	OZFM	Ozone exhaust fan	
Others	DSWF	Front door open detection	Does not operate.
	DDSW	Paper exit door open detection	
	RDSWU	Paper fed upper door open detection	
	RDSWD	Paper feed lower door open detection	
	PSPR	Main power relay	OFF
	MCLKA	Paper tray lift motor/Toner motor	Does not operate.
	MCLKB		
	DHPR	Dehumidifier heater power relay	Operates.

d. Communication in the pre-heat mode

Section	Signal name	Content	Operation in the pre-heat mode
PCU SUB PWB	TXD_SUB	PCU SUB data send	Operates.
	RXD_SUB	PCU SUB data receive	
	BELTCH	Transfer belt pull-out detection	
ADU	TXD_ADU	ADU data send	Does not operate.
	RXD_ADU	ADU data receive	
	RES_ADU	ADU reset	
	ADU_CH	ADU pull-out detection	
RADF	TXD_RADF	RADF data send	Operates.
	RXD_RADF	RADF data receive	
	RES_RADF	RADF reset	
Sorter	RES_SOT	SOT reset	Operates.
LCC	TXD_LCC	LCC data send	Does not operate.
	RXD_LCC	LCC data receive	
	RES_LCC	LCC reset	
RIC I/F	TXD_RIC	RIC data send	Does not operate.
	RXD_RIC	RIC data receive	
	DTR_RIC	Machine power ON signal	
	DSR_RIC	RIC power ON signal	
ICU PWB	ICU_RXD	ICU data receive	Does not operate.
	ICU_TXD	ICU data send	
	ICU_RES	ICU reset signal	
Operation unit	OPE_TXD	Data send to OPE	Operates.
	OPE_RXD	Data receive from OPE	
	OPE_RES	OPE reset signal	

(2) Fusing section operation in the pre-heat mode and the sleep mode

(AR-C100/C150)

Mode			Control temperature									NOTE
			U.S.A	Canada	Inch	Japan	AB_B	Europe	U.K	Aus.	AB_A	
Ready condition	Ready condition control temperature (HL1)	Upper heat roller	187	187	187	177	177	187	187	187	187	
	Ready condition control temperature (HL2)	Lower heat roller	142	142	142	132	132	142	142	142	142	
Copy/Print mode	Normal mode control temperature (HL1)	Upper heat roller	180	180	180	170	170	180	180	180	180	
	Normal mode control temperature (HL2)	Lower heat roller	135	135	135	125	125	135	135	135	135	
	Thick paper mode control temperature (HL1)	Upper heat roller	200	200	200	200	200	200	200	200	200	AR-C150 only
	Thick paper mode control temperature (HL2)	Lower heat roller	155	155	155	155	155	155	155	155	155	AR-C150 only
	OHP mode control temperature (HL1)	Upper heat roller	180	180	180	180	180	180	180	180	180	AR-C150 only
	OHP mode control temperature (HL2)	Lower heat roller	175	175	175	175	175	175	175	175	175	AR-C150 only
Pre-heat mode	Energy saving mode control temperature (HL1)	Upper heat roller	140	140	140	140 (137)	140	140	140	140	140	( ) AR-C100
	Control temperature when resetting from pre-heat to B/W (HL1)	Upper heat roller	155	155	155	155 (152)	155	155	155	155	155	( ) AR-C100
Sleep mode	HL1	Upper heat roller	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
	HL2	Lower heat roller	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	

(AR-C250/C160)

Mode			Control temperature									NOTE
			U.S.A	Canada	Inch	Japan	AB_B	Europe	U.K	Aus.	AB_A	
Ready condition	Ready condition control temperature (HL1)	Upper heat roller	177	177	177	177	177	177	177	177	177	
	Ready condition control temperature (HL2)	Lower heat roller	132	132	132	140 (132)	140 (132)	132	132	132	132	( ) AR-C160
Copy/Print mode	Normal mode control temperature (HL1)	Upper heat roller	170	170	170	170	170	170	170	170	170	
	Normal mode control temperature (HL2)	Lower heat roller	125	125	125	140 (125)	140 (125)	125	125	125	125	( ) AR-C160
	Thick paper mode 1 control temperature (HL1)	Upper heat roller	185	185	185	185	185	185	185	185	185	
	Thick paper mode 1 control temperature (HL2)	Lower heat roller	155	155	155	155	155	155	155	155	155	
	Thick paper mode 2 control temperature (HL1)	Upper heat roller	200	200	200	200	200	200	200	200	200	
	Thick paper mode 2 control temperature (HL2)	Lower heat roller	155	155	155	155	155	155	155	155	155	
	OHP mode control temperature (HL1)	Upper heat roller	180	180	180	180	180	180	180	180	180	
	OHP mode control temperature (HL2)	Lower heat roller	175	175	175	175	175	175	175	175	175	
Pre-heat mode	Energy saving mode control temperature (HL1)	Upper heat roller	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	( ) AR-C160
	Control temperature when resetting from pre-heat to B/W (HL1)	Upper heat roller	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	( ) AR-C160
Sleep mode	HL1	Upper heat roller	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
	HL2	Lower heat roller	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	

4. Consumable parts life and machine operation

The relationship between the consumable parts life and the machine operation is as shown in the table below.

Consumable parts		Condition	Operation	Message
Toner	K	Low toner	About 30-sheet copy (print) allowed	Copy allowed/ Supply toner
	Y,M,C	Low toner	About 30-sheet copy (print) allowed	Copy allowed/ Supply toner
	K	Toner empty	Copying (printing) is stopped after completion of the half-way copy (print). All copy (print) including color copy inhibited.	Toner empty
	Y,M,C	Toner empty	Copying (printing) is stopped after completion of the half-way copy (print). (Monochrome copy is allowed.)	Toner empty
Developer	K,Y,M,C	Life	Copy (print) allowed	Maintenance required
OPC drum	K,Y,M,C	Life	Copy (print) allowed	Maintenance required
Waste toner bottle	OPC drum section	Life	Copying (printing) is stopped after completion of the half-way copy (print).	Replace toner collection bottle
	Transfer section	Life	Copying (printing) is stopped after completion of the half-way copy (print).	Transfer unit toner collection bottle full
Fusing oil		Oil empty	Copy (print) is immediately stopped.	H6 trouble (Fusing oil empty)

[7] SETTING AND ADJUSTMENTS

1. Adjustment/setup items list

Each adjustment item in the adjustment item list is indicated with its JOB number. Perform the adjustment procedures in the sequence of Job numbers from the smallest to the greatest.

However, there is no need to perform all the adjustment items. Perform only the necessary adjustments according to the need. Unnecessary adjustments can be omitted. Even in this case, however, the sequence from the smallest to the greatest JOB number must be observed. If the above precaution should be neglected, the adjustment would not complete normally or a trouble may occur.

JOB No	ADJUSTMENT ITEM			SIMULATION
ADJ M1	DV doctor gap adjustment			
ADJ M2	DV roller main pole position adjustment			
ADJ M3	Toner concentration control reference level setting			25-2/44-27
ADJ M4	High voltage adjustment	ADJ 1	Main charger grid voltage adjustment	8-2
		ADJ 2	DV bias voltage adjustment	8-1
		ADJ 3	Transfer voltage adjustment	8-6 (Old) 44-30 (New)
ADJ M5	Paper skew adjustment			44-2
ADJ M6	Image density sensor adjustment	ADJ 1	Image density sensor calibration	44-13
		ADJ 2	Image density sensor sensing position adjustment	44-23
ADJ M7	Image skew adjustment (Scanner (Writing) unit)			64-1
				61-4
ADJ M8	Photoconductor phase adjustment			44-20 (Old) 44-31 (New)
ADJ M9A ＊1	Image registration adjustment (Auto adjustment) (AR-C250/C160) (New version of AR-C150)	Main scanning direction copy magnification ratio adjustment (Scanner (Writing) unit) Main scanning direction image registration adjustment (Scanner (Writing) unit) Sub scanning direction color image resist adjustment (Scanner (Writing) unit)		50-22
ADJ M9 ＊2	Main scanning direction copy magnification ratio adjustment (Manual adjustment) (Scanner (Writing) unit) Main scanning direction image registration adjustment (Manual adjustment) (Scanner (Writing) unit)	ADJ 1	Main scanning direction copy magnification ratio adjustment (Scanner (Writing) unit) (Black)	50-10
		ADJ 2	Main scanning direction color image resist adjustment (Scanner (Writing) unit) (Color) Main scanning direction copy magnification ratio adjustment (Scanner (Writing) unit) (Color)	50-20
ADJ M10 ＊3	Sub scanning direction color image resist adjustment (Manual adjustment) (Scanner (Writing) unit) (Color)			50-21
ADJ M11	Image distortion adjustment	ADJ 1	Scanner (Reading) unit parallelism adjustment	
		ADJ 2	Image distortion adjustment (Sub scanning direction)	
		ADJ 3	Image distortion adjustment (Main scanning direction)	
ADJ M12	Image focus (Main scanning direction copy magnification ratio) adjustment (CCD position adjustment)			48-1
ADJ M13	Sub scanning direction copy magnification ratio adjustment			48-1
ADJ M14	Image position adjustment (Main scanning direction) (Print engine)			50-10
ADJ M15	Image position adjustment (Main scanning direction) (Scanner (Writing)			50-12
ADJ M16	"Image position, image loss, void area adjustment"			50-1/50-2
ADJ M17	Copy color blance and density adjustment	ADJ 1	CCD gamma adjustment (CCD calibration) (Normal document mode)	63-3 (63-5)
		ADJ 2 ＊4	Copy color balance adjustment (Auto)	46-22/24
		ADJ 3 ＊5	Copy color balance adjustment (Manual)	46-21
		ADJ 4	Copy density adjustment for low density area (Normally unnecessory to adjust.)	46-1/2
		ADJ 5	Copy color balance adjustment (each Copy mode) (Normally unnecessory to adjust.)	46-10 to 19
		ADJ 1A	CCD gamma adjustment (CCD calibration) (Copy document mode) (AR-C250/C160)	63-9

JOB No	ADJUSTMENT ITEM			SIMULATION
ADJ M17	Copy color blance and density adjustment	ADJ 6	Black toner component image gamma adjustment (Black character and black line reproduction adjustment) (AR-C250/C160) (Normally unnecessory to adjust.)	46-27
		ADJ 7	Copy color balance adjustment (Single color Copy mode) (Normally unnecessory to adjust.) (AR-C160/C250)	46-25
		ADJ 8	Setup of the gamma characteristic in the color copy mode (AR-C250/C160)	26-55
		ADJ 9	Fusing capability setting with heavy paper (AR-C150)	26-55
		ADJ 10	User auto color calibration (Copy color blance, auto density adjustment)	26-53
ADJ M18	Document size sensor adjustment	ADJ 1	Original size sensor detection point adjustment	41-2
		ADJ 2	Original size sensor sensitivity adjustment	41-2
ADJ M19	Waste toner full detection level adjustment			
ADJ M20	Touch panel coordinates setting			65-1
ADJ M21	Transfer belt level adjustment (Transfer belt traveling adjustment)			
ADJ M22	Fusing pressure adjustment			
ADJ M23	Power voltage adjustment (AR-C100/C150/C250)	ADJ 1	3.4 V power voltage adjustment	
		ADJ 2	5.0 V power voltage adjustment	
		ADJ 3	24 V power voltage adjustment	
ADJ M24	Manual feed paper size sensor adjustment			40-2
ADJ M25	OHP sensor adjustment			40-5

∗ 1/∗ 2/∗ 3: ADJ M9A automatically performs the adjustment contents of ADJ M9/ADJ M10. If satisfactory results are obtained by ADJ M9A, there is no need to execute manual adjustments of ADJ M9/ADJ M10.

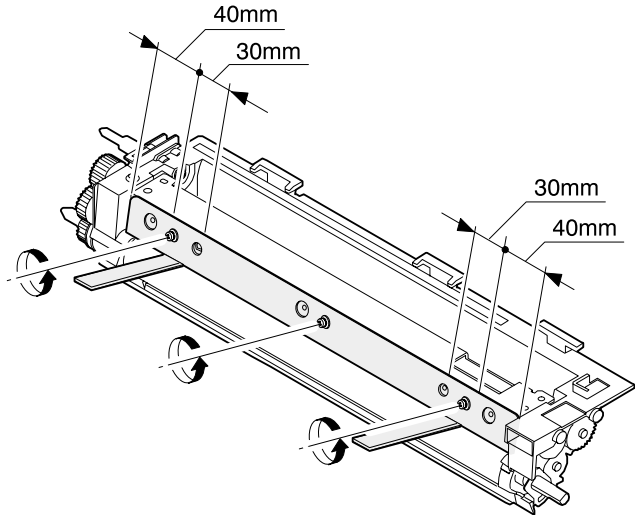
∗ 4/∗ 5: ADJ M17/ADJ 2 automatically perform the adjustment contents of ADJ M17/ADJ 3. If satisfactory results are obtained by ADJ M17/ADJ 2, there is no need to execute manual adjustments of ADJ M17/ADJ 3.

ADJ M1 DV doctor gap adjustment

This adjustment must be performed in the following cases:

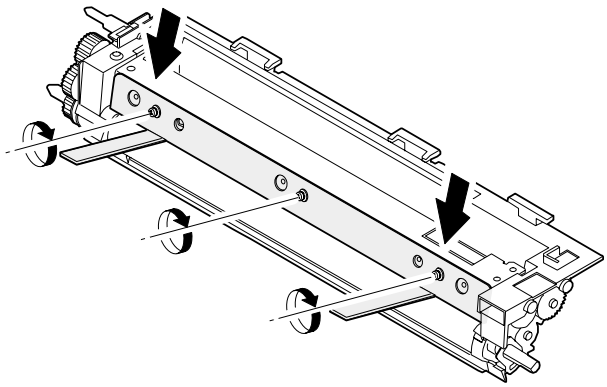
- When the developing unit is disassembled.
- When the print density is low.
- When there is a lot of toner dispersion abnormally.

1) Remove the developing unit from the copier, and remove the developing unit cover and the blade cover.
2) Loosen the DV doctor fixing screw A.
3) Insert a 0.525 thickness gauge at the point of 40mm –70mm from the DV doctor edge.



4) Push the DV doctor in the arrow direction and tighten the DV doctor fixing screw.
(Perform the same procedure for the front and the rear frame simultaneously.)
5) Check that the clearance is 0.525 ± 0.03mm at two positions which are 40mm –70mm from the both sides of the DV doctor.

∗ When inserting the thickness gauge, be careful not to scratch the DV doctor and the MG roller.



ADJ M2 DV roller main pole position adjustment

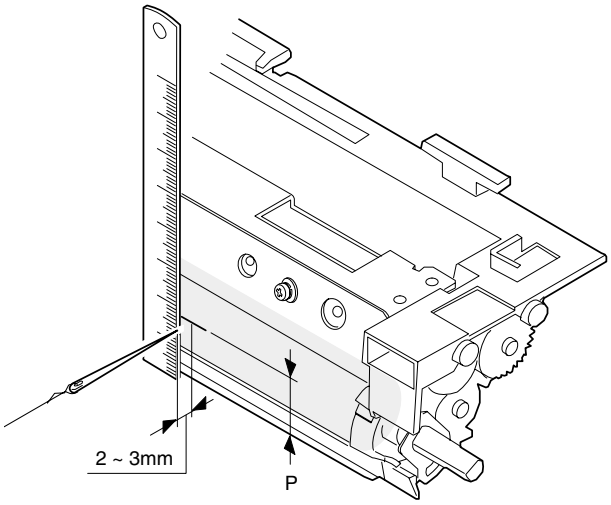
This adjustment must be performed in the following cases:

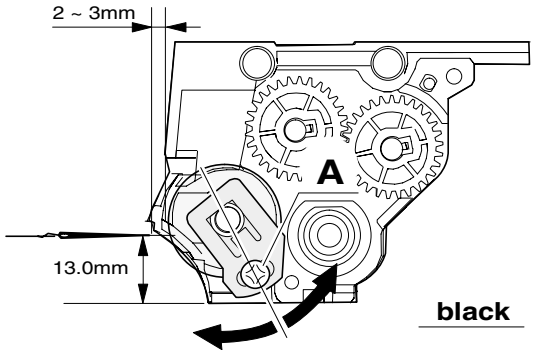
- When the developing unit is disassembled.
- When the print density is low.
- When there is a lot of toner dispersion abnormally.

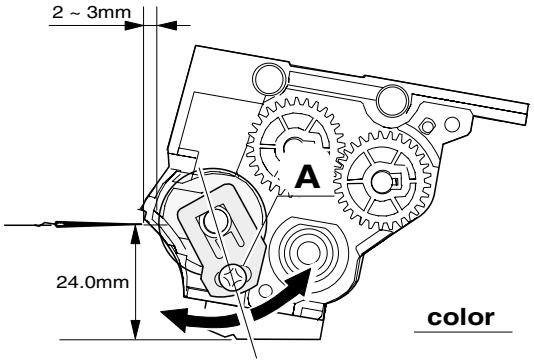
1) Remove the developing unit cover and the blade cover, and place the developing unit on a flat surface.
2) Tie a string to a needle or a pin.
3) Hold the string and put the needle horizontally and move it toward the MG roller. (Do not use a clip which is too big to have a correct position.)
4) With the needle tip at 2 –3mm from the MG roller surface, mark the point on the surface which is on the extended line of the needle tip. (Do not make contact between the needle tip and the MG roller.)

5) Measure the distance between the marking position and surface P of the developing unit, and check that the black unit is 13mm, color unit 24mm.

If the distance is not as specified above, loosen the fixing screw A of the main pole adjustment plate, and move the adjustment plate in the arrow direction to adjust.





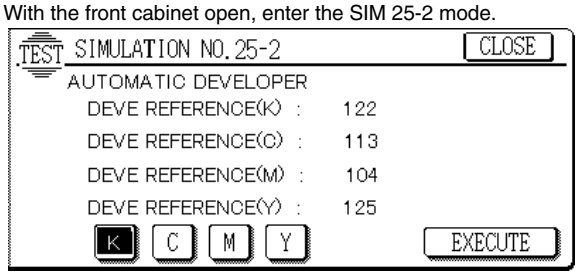


ADJ M3 Toner concentration control reference level setting

This adjustment must be performed in the following case:

- When the developer is replaced.

1) With the front cabinet open, enter the SIM 25-2 mode.



2) Close the front cabinet.
3) Select the developing unit to be adjusted.
4) When the [EXECUTE] key is pressed, it is highlighted. The OPC drum drive motor rotates and the toner concentration sensor detects toner concentration and the output value is displayed.

After stirring for 3 min, the average value of toner concentration sensor detection level is set (stored) as the reference toner concentration control value.

NOTE: When the operation is stopped in 3 min, the adjustment result is not registered.
When the [EXECUTE] key is pressed during rotation of the motor, it is stopped and the [EXECUTE] key returns to the normal display.
If "EE-EU" or "EE-EL" is displayed, it means that the reference toner concentration control value is not set normally.
EE-EL: Less than 79 (1.59V)
EE-EU: More than 177 (3.41V)

5) Execute SIM 24-5 to clear the developer counter.
6) Execute SIM 44-27 to reset the half tone correction data (correction conditions) to the default.

NOTE: 1) When replacing the color developer, replace the yellow, Magenta, and Cyan developers at the same time.
If only one developer is replaced, the color balance may be abnormal.
The black developer can be replaced alone.

2) After replacement of developers and the photoconductor, be sure to execute SIM 44-27 to reset the half tone correction data (correction conditions) to the default level.
If the above procedure is ignored, half tone correction may not be performed properly.

ADJ M4 High voltage adjustment

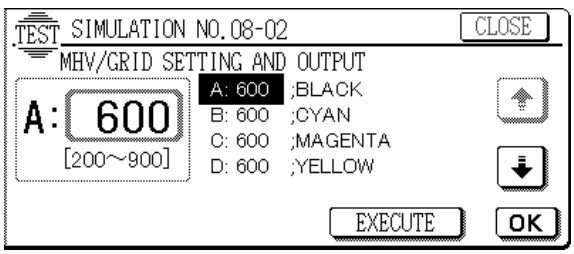
(Note) For adjustment of the output voltage, use internal impedance of 1000Mohm or more and whose effective value can be measured (Recommend: FLUKE87 FLUKE80K-40). Use a high voltage probe.

ADJ 1 Main charger grid voltage adjustment

This adjustment must be performed in the following cases:

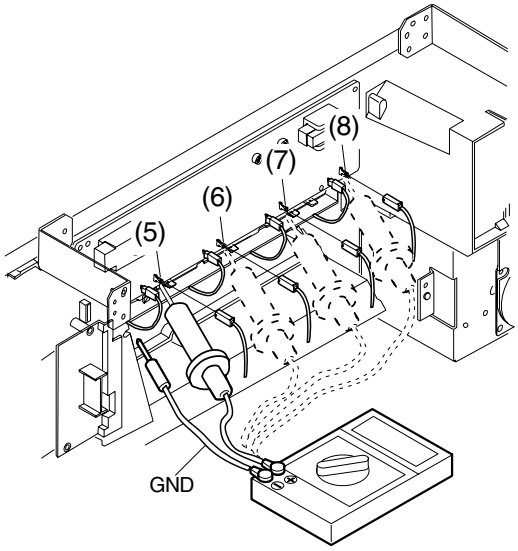
- When the high voltage power (MC/DV) PWB is replaced.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

1) Enter SIM 8-2 mode.
2) Select the color mode to be adjusted with the scroll key and press the [EXECUTE] key.
3) Check the output voltage with the high voltage probe, and adjust the value of each color so that the specification in the table below is satisfied.



Color	Normal mode adjustment spec			Check pin
	AR-C100/C150	AR-C250	AR-C160	
K	-525 ± 5V	-545 ± 5V	-545 ± 5V	(5)
C	-525 ± 5V	-545 ± 5V	-555 ± 5V	(6)
M	-525 ± 5V	-545 ± 5V	-555 ± 5V	(7)
Y	-525 ± 5V	-545 ± 5V	-555 ± 5V	(8)

Enter the adjustment value with the 10-key and press the [OK] key.



* With all the OPC drums removed from the machine, bring the high voltage probe into contact with the high voltage PWB GB pin to check the adjustment value.

If an effective value meter and a high voltage probe are not available, refer to the table below to enter the adjustment value.

This allows to make a simple adjustment.

Main charger grid voltage adjustment value

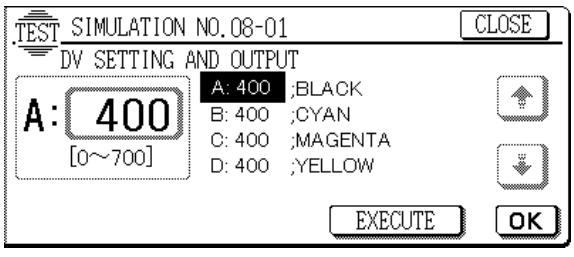
Color	SIM 8-2 adjustment value			
		AR-C100/C150	AR-C250	AR-C160
K	A	525	545	545
C	B	525	545	555
M	C	525	545	555
Y	D	525	545	555

ADJ 2 DV bias voltage adjustment

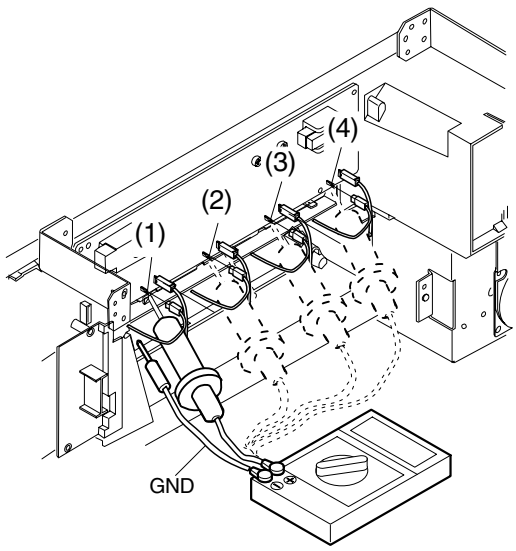
This adjustment must be performed in the following cases:

- When the high voltage power (MC/DV) PWB is replaced.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

1) Enter the SIM 8-1 mode.
2) Select the color mode to be adjusted with the scroll key and press the [EXECUTE] key.
3) Check the output voltage with the high voltage probe, and adjust the value of each color so that the specification in the table below is satisfied.
   Enter the adjustment value with the 10-key and press the [OK] key.



Color	Normal mode adjustment spec	Check pin
K	–325 ± 5V	(1)
C	–325 ± 5V	(2)
M	–325 ± 5V	(3)
Y	–325 ± 5V	(4)



* Set the developing unit (K, C, M, Y), bring the high voltage probe into contact with the high voltage PWB GB pin to check the adjustment value.

If an effective value meter and a high voltage probe are not available, refer to the table below to enter the adjustment value.

This allows to make a simple adjustment.

Developing bias voltage adjustment value

Color	SIM 8-1 adjustment value	
K	A	325
C	B	325
M	C	325
Y	D	325

ADJ 3 Transfer voltage adjustment

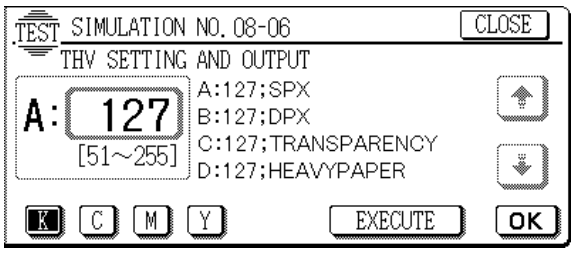
This adjustment must be performed in the following cases:

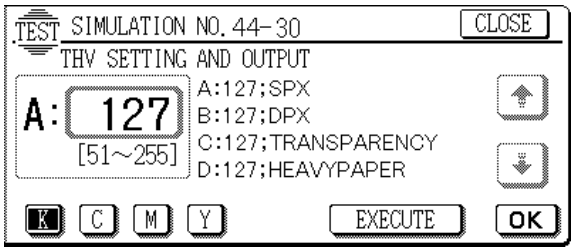
- When the high voltage power (TC) PWB is replaced.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

1) Enter the SIM 44-30 mode, enter the following value for each mode and each color, and enter the [OK] key. (AR-C250/C160) (New version of AR-C150)
   Enter the SIM 8-6 mode and enter the following values for each color and press the [OK] key. (Old version of AR-C150)

Transfer voltage input values

	Display	BK	C	M	Y
Normal paper mode	A: SPX	178	164	123	123
ADU mode	B: DPX	178	164	123	123
OHP mode	C: TRANSPARENCY	204	209	167	182
Thick paper mode	D: HEAVY PAPER	204	187	138	138





NOTE: Do not press the [EXECUTE] key in SIM 8-6, otherwise the photoconductor may be damaged.

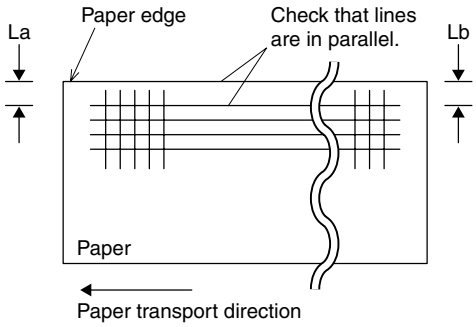
The AR-C250/C160 is provided with the adjustment of the transfer voltage with SIM 44-30 from the beginning of production, and the AR-C100/C150 in the middle of production.

ADJ M5 Paper skew adjustment

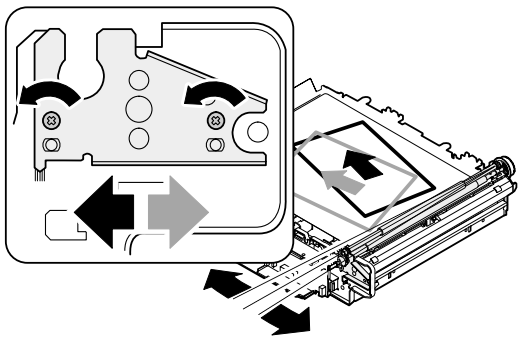
This adjustment must be performed in the following cases:

- When the resist roller section is disassembled.

1) Enter the SIM 64-1 mode.
   Select the black print mode.
2) Set the items as shown below:
   A: 5
   B: 255
   C: 1
   D: 9
   E: Select A3 (11 × 17) paper size.
3) Press the [EXECUTE] key.
   The grid pattern is printed. Check that the print line in the paper transport direction is in parallel with both edges.



   If the above condition is not satisfied, perform the following procedure.
4) Loosen the resist roller fixing screw, and change the resist roller angle.



   The standard position is at the center.

Repeat procedures 3) – 4) until the condition of procedure 3) is satisfied.

ADJ M6 Image density sensor adjustment

ADJ 1 Image density sensor calibration

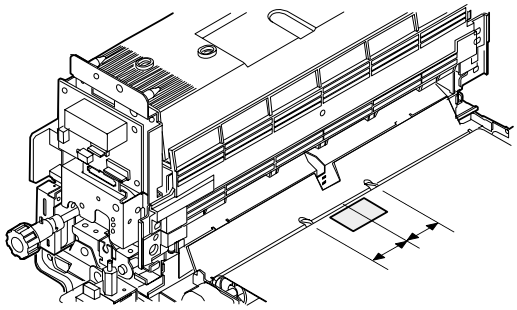
This adjustment must be performed in the following cases:

- When the image density sensor is replaced.
- When the transfer belt is replaced.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

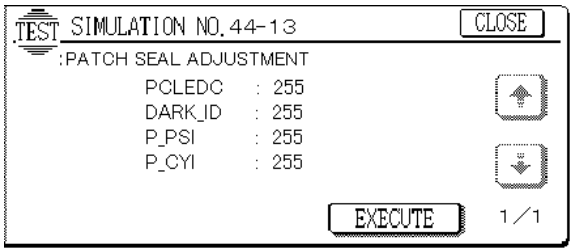
The process control sensor gain adjustment means:

The detection level differs between machines due to variations in density detection sensors and parts. To prevent against this, attach a seal of a certain density on the belt to calibrate the sensor.

1) With the power OFF, open the right cover of the machine.
2) Pull out the transfer unit, and attach the adjustment sheet (UKOG-0281FCZZ) to the belt.
   (The attachment position is between the two separation pawls of the fusing unit.)



3) Return the transfer unit. With the front cover open, turn on the power.
4) Enter the SIM 44-13 mode.
5) Close the front cover.
6) Press the [EXECUTE] key.
   The adjustment is automatically performed. When the adjustment is completed, the [EXECUTE] key returns to the normal display.

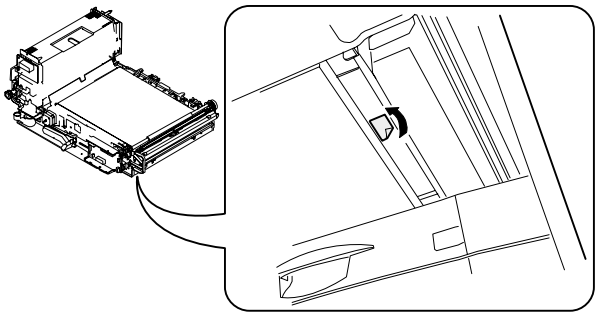


7) Check that the SIM 44-13 values are within the specifications.

Check content	Spec
PCLEDC (Sensor current in color calibration)	128 or below
DARK_ID (Color image density sensor dark voltage)	50 or below
P_PSI (Read value of calibration sheet)	102 ± 5
P_CYI (Read value of calibration plate)	80 ± 15

   * When an error message is displayed, clean the sensor and the calibration plate, and adjust again.
   * If the above procedure cannot cancel the error, replace the sensor and the calibration plate.
8) Turn off the power.

9) Pull out the transfer unit, and remove the adjustment sheet.
(The adjustment sheet is positioned in front of the cleaning blade at the back of the unit as the transfer belt rotates.)



10) Return the transfer unit.

NOTE: If the motor drive power is turned on immediately after attaching the adjustment sheet to the transfer belt, the adjustment sheet does not stop at the specified position and the transfer belt keeps rotating.
As a result, the adjustment sheet may be damaged by the transfer cleaning blade or the transfer cleaning blade may be damaged by the adjustment sheet.

To prevent against this, be sure to observe the following.

1) Before entering the SIM 44-13 mode, open the right cover of the machine to open the motor drive power line.
2) After completion of the adjustment, remove the adjustment sheet from the transfer belt.

ADJ 2 Image density sensor sensing position adjustment

This adjustment must be performed in the following cases:

- When the image density sensor is replaced.
- When the image density sensor section is replaced.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

1) Enter the SIM 44-23 mode.
2) Press the [EXECUTE] key. The adjustment is automatically performed, and the average data is displayed.
When the operation is completed, the [EXECUTE] key is highlighted.
In case of an abnormal end, "ERROR" is displayed.

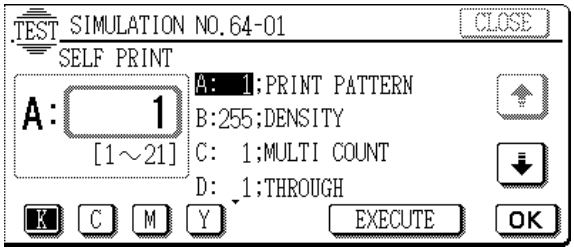
- When the ICU main PWB is replaced.
- When the EEPROM of the ICU main PWB is replaced.

ADJ M7 Image skew adjustment (Scanner (Writing) unit)

This adjustment must be performed in the following cases:

- When the scanner (writing) unit is replaced.
- When the scanner (writing) unit is removed from the machine.
- When a color image mis-resist occurs.
- When the installing location is changed.

1) Enter the SIM 64-1 mode.
Select the color mode of Black.



2) Set the values of A – D of the set item as shown in the table below, and make an A3 (11" × 17") copy. (The grid pattern is printed.)

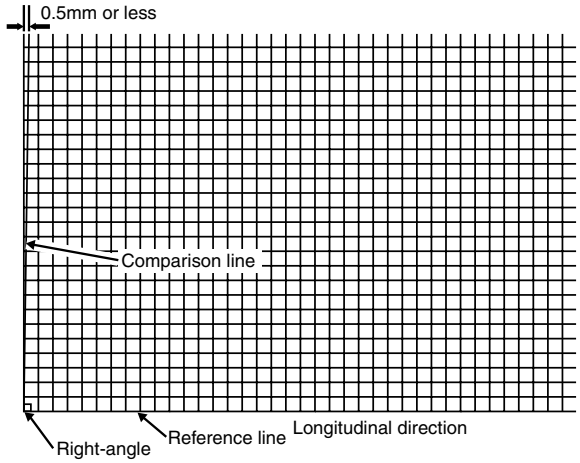
＊ Use the paper tray at the bottom.

SIM 64-1 set items

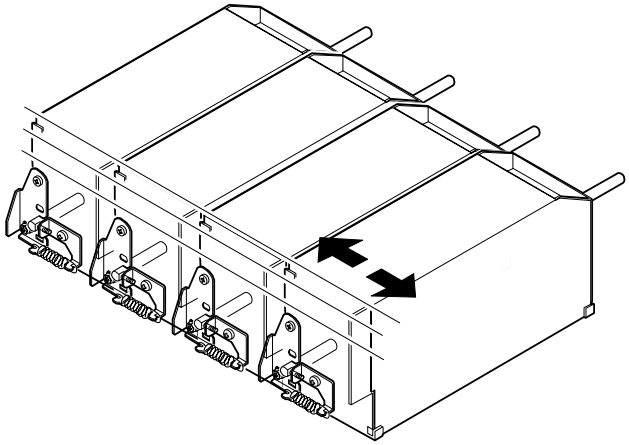
	Parameter	Set value
A	PRINT PATTERN	5
B	PRINT START GRADATION LEVEL	1
C	SELF PRINT Q'TY SETTING	1
D	DENSITY MODE	9

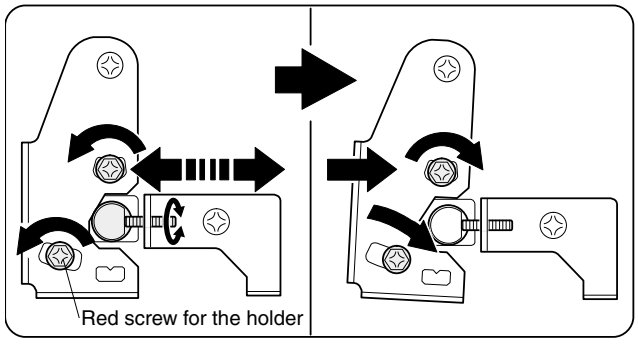
Enter the input value with the 10-key and press the OK key. When the [EXECUTE] key is pressed, printing is performed. Paper is selected by the set item E.

3) Check the distortion of the printed image.
If the right-angle level of the traverse print line is 0.5mm or less for the longitudinal print line of paper, there is no need to adjust.

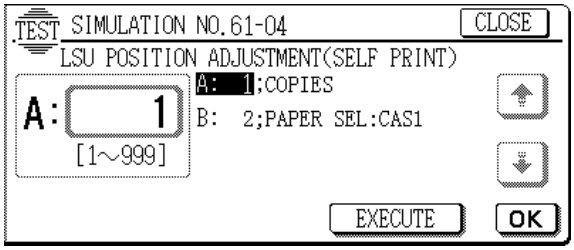


4) If the image is distorted, loosen the red screw for the holder on the chassis side, and adjust the LSU inclination with the black LSU adjustment screw (set screw). (The LSU at the right end is black.)
After completion of the adjustment, fix the holder with the red screw.





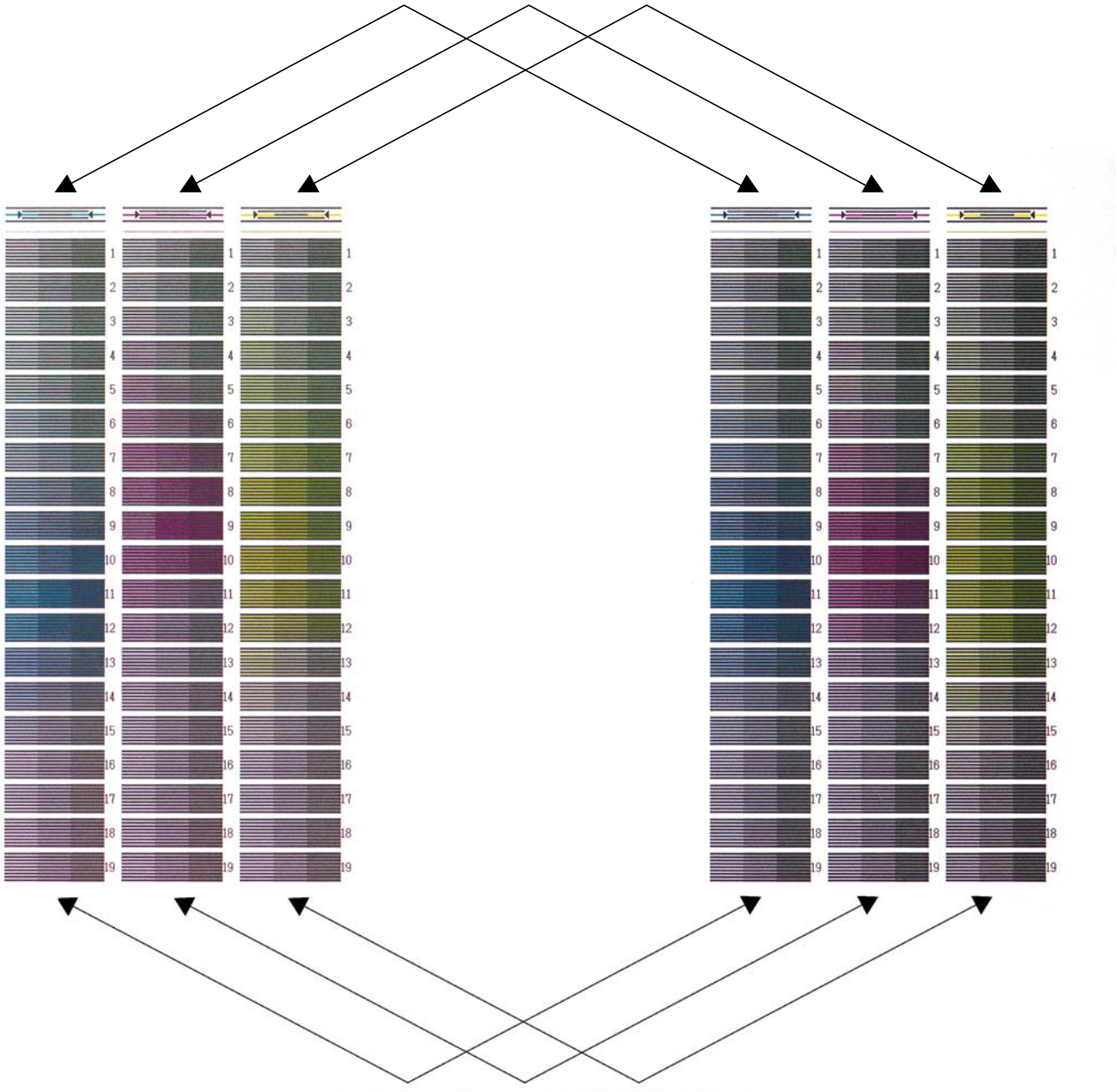
5) Enter the SIM 61-4 mode.



6) Select A3 (11 × 17) paper and press the [EXECUTE] key. Paper is selected by the set item B.
The check pattern is printed.
* Use the paper tray at the bottom.

7) Check that the center shift between the Y/M/C print color patterns is within 0 ± 1 step.
(Check the shift between the print patterns of the same color. Even though there is some shift between different colors, there is no problem.)
If the above condition is not satisfied, loosen the red screw for the holder on the front side of the chassis, and adjust the LSU adjustment screw (set screw) to adjust the LSU inclination.
After completion of the adjustment, fix the holder with the red screw.

Compare the positions (front-rear) of the same color



Compare the positions (front-rear) of the same color print patterns.

Procedures 1) – 4) : Adjustment procedures of the black LSU
Procedures 5) – 7) : Adjustment procedures of the color LSU

ADJ M8 Photoconductor phase adjustment

This adjustment is available in two procedures, old and new. Both are basically the same. Either procedure will do.

The differences between the old and the new procedures are as follows:

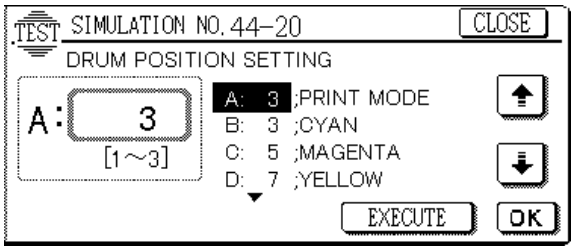
* Some AR-C100/C150 machines use the old procedure (with SIM 44-20). On the other hand, the AR-C250/C160 uses only the new procedure (with SIM 44-31) and does not have the old procedure.
  In the AR-C100/C150, the old procedure (with SIM 44-20) is abolished and the new procedure is employed in the middle of production.
* In SIM 44-31, the adjustment pattern is printed in A4R or 8.5" × 11"R size.
  In SIM 44-20, the adjustment pattern is printed in A3 or 11" × 17" size.
* The adjustment pattern photoconductor phase adjustment pitch (interval) differs. (12 division → 8 division)

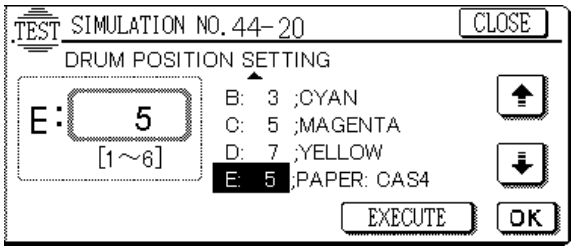
This adjustment is required in the following cases:

- When the photoconductor drum is replaced.
- When the photoconductor drum is removed from the machine.
- When the photoconductor drum drive section is disassembled.
- When the photoconductor drum drive unit is replaced.
- When U2 trouble occurs.
- When PCU MAI PWB is replaced.
- When EEPROM on the PCU MAIN PWB is replaced.

Old procedure of photoconductor phase adjustment (SIM 44-20)

1) Enter the SIM 44-20 mode.

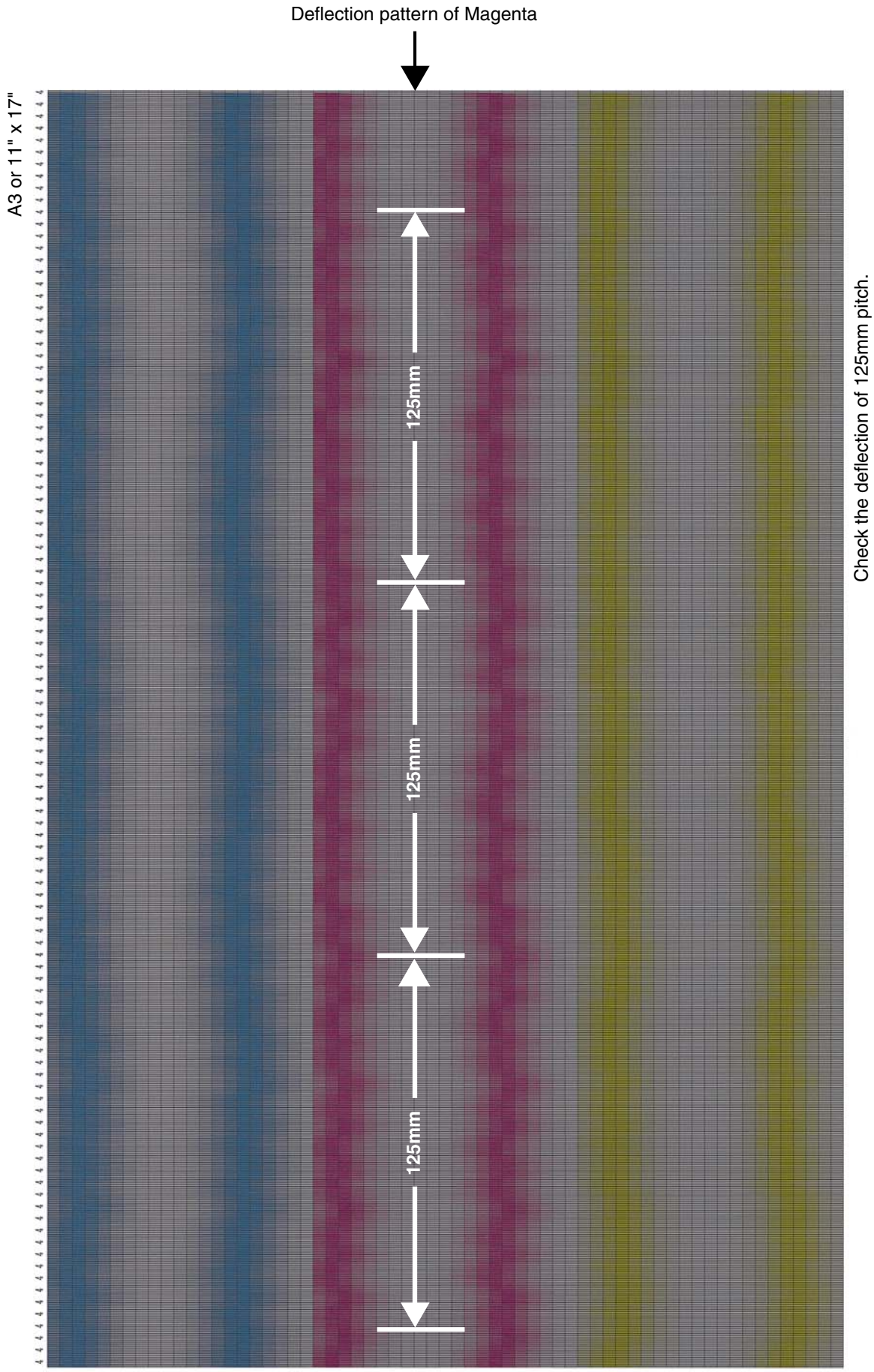




2) Enter "2" in the setup item A (PRINT MODE) with the 10-key, then press the [OK] key. (Default setting is 3.)
3) Select the paper feed cassette with A3 (11" × 17") paper in the setup item E (PAPER SELECT), and press the [OK] key.
   * Use the paper tray at the bottom.
4) Press the [EXECUTE] key, and the drum deflection adjustment pattern is printed in four pages.
   * Pattern N (1, 4, 7, 10) is printed.
5) Check the deflection cycle of 125.6mm pitch of four printed patterns (C, M, Y). Use the output pattern of the smallest deflection as the set value of each color, and set it to item B, C, and D. (After entering the adjustment value, press the OK key.)
6) After entering the adjustment value, enter "3" to set item A with the 10-key and press the [EXECUTE] key to print the adjustment pattern again.

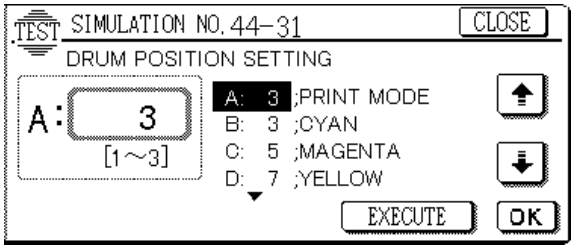
   If the above procedures cannot bring a satisfactory result, select mode 1 and print twelve pages of the print pattern.
   This allows to make more detailed checks and adjustments.
   The adjustment procedure is the same as procedure 5).
   It, however, takes about 6 min to do this procedure.

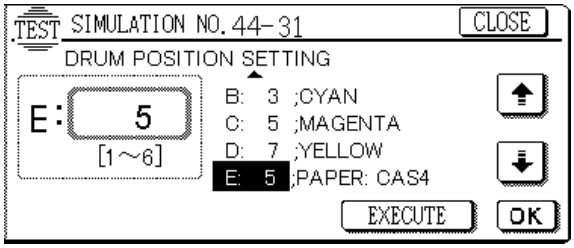
NOTE: If there is an extra deflection other than the drum frequency (125.6mm pitch), check the set values of the RS motor and the fusing motor speed.


Deflection pattern of Magenta
A3 or 11" x 17"
125mm
125mm
125mm
Check the deflection of 125mm pitch.

New procedure of photoconductor phase adjustment (SIM 44-31)

1) Enter the SIM 44-31 mode.

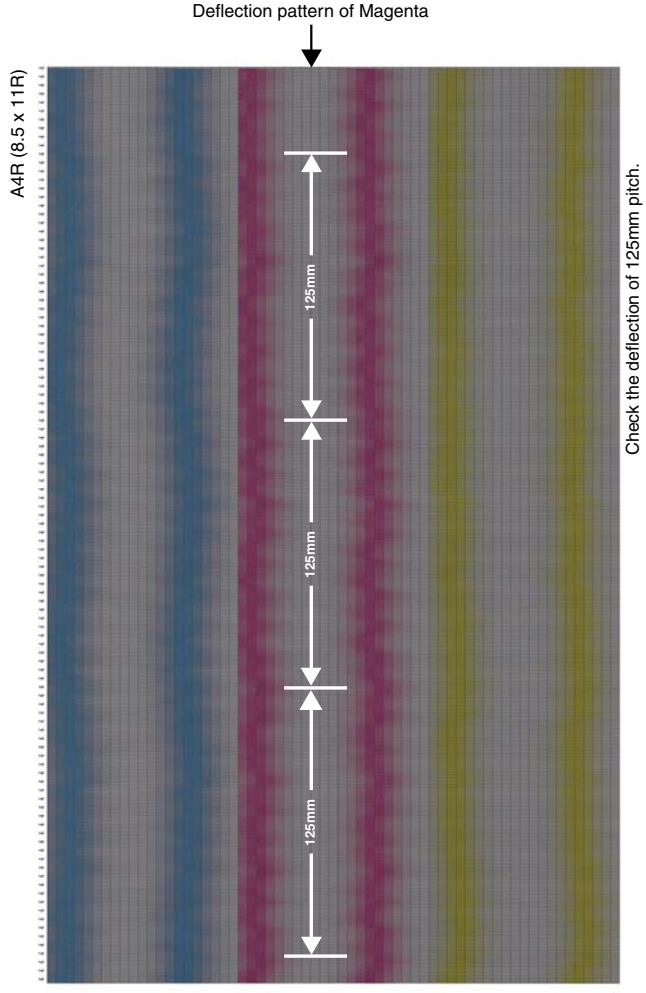




2) Enter "2" in the setup item A (PRINT MODE) with the 10-key, and press the [OK] key. (The default is "3.")
3) Select the paper tray with A4R (8.5 × 11R) paper in the setup item E (PAPER SELECT) and press the [OK] key.

NOTE: Use the lowest paper tray.

4) Press the [EXECUTE] key, and the drum deflection adjustment patterns (4 pages) are printed.



* Pattern numbers 1, 3, 5, and 7 are printed on the output pattern.

5) Check the deflection of 125.6mm pitch for each of C, M, and Y in the four output patterns, and select the output pattern number with the smallest deflection as the set value of each color, and set the number to each of setup items B, C, and D. (After entering the adjustment value, press the [OK] key.)
6) After entering the adjustment value, enter "3" in the setup item A with the 10-key and press the [EXECUTE] key to print an adjustment pattern for checking again.

If the above procedure is not satisfactory, select the PRINT MODE 1 to print 12 print patterns.
This allows to make more detailed check and adjustment. The adjustment procedure is the same as procedure 5).
This procedure takes about 4 minutes.

NOTE: If there is an extra deflection other than the drum frequency (125.6mm pitch), check the set values of the RS motor and the fusing motor speed.

ADJ M9A Image resist adjustment (Auto adjustment) (AR-C250/C160) (New version of AR-C150)

The following items are automatically adjusted.

- ADJ M9/ADJ1 main scanning direction copy magnification ratio adjustment (Scanner (writing) unit) (Black)
- ADJ M9/ADJ 2 main scanning direction image magnification ratio adjustment, image resist adjustmemt (Scanner (writing) unit) (Color)
- ADJ M10 sub scanning direction image resist adjustment (Scanner (writing) unit)

If this automatic adjustment of ADJ M9A is not satisfactory, perform the manual adjustment of ADJ M9 and ADJ M10.

This adjustment is required in the following cases:

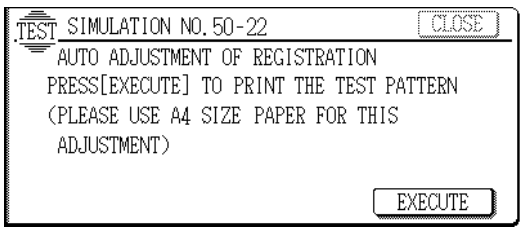
- When the scanner (writing) unit is replaced.
- When the scanner (writing) unit is removed from the machine.
- When the main scanning direction image magnification ratio adjustment (scanner (writing) unit) (Black) is performed.
- When color image mis-resist is generated in the main scanning direction.
- When color image mis-resist is generated in the sub scanning direction.
- When installation or the installing place is changed.
- When U2 trouble occurs.
- When ICU MAIN PWB is replaced.
- When EEPROM on ICU MAIN PWB is replaced.

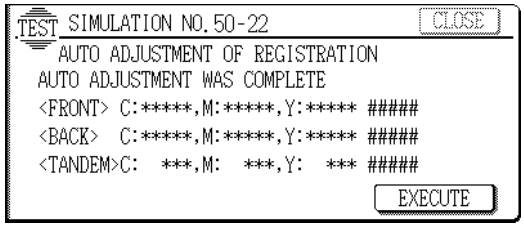
Note before adjustment

Before execution of this adjustment, check that the following adjustment have been properly completed.

* Photoconductor phase adjustment (ADJ M8)
* Image skew adjustment (scanner (writing) unit) (ADJ M7)

1) Enter the SIM 50-22 mode.

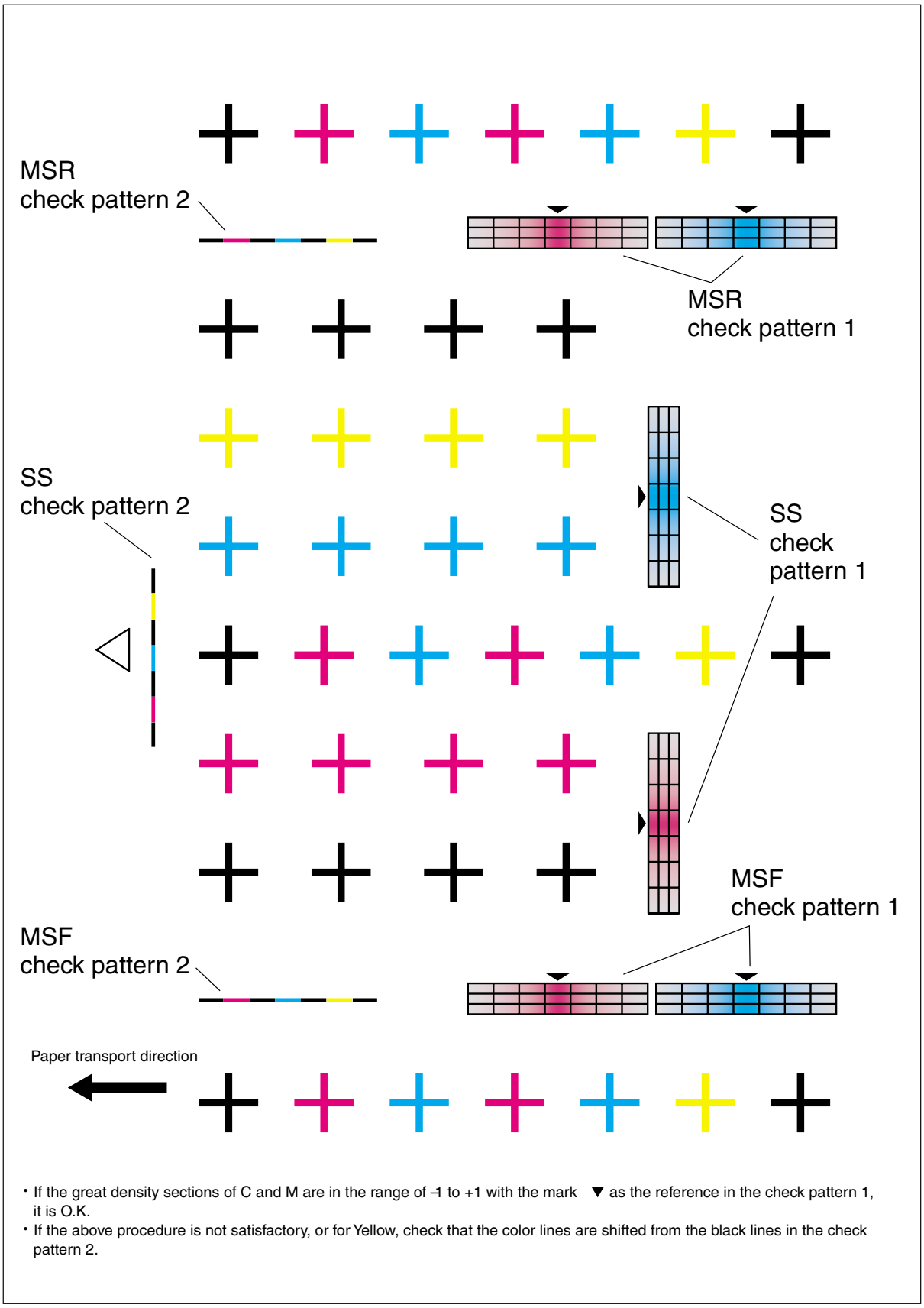




2) Press the [EXECUTE] key.
A4 or 8.5 × 11 paper is automatically selected and a check pattern is printed.

[Main/sub scanning resist automatic adjustment check pattern]

A4 or 8.5 x 11



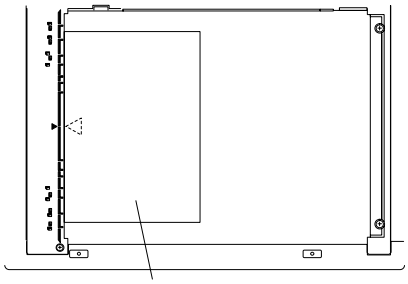
- If the great density sections of C and M are in the range of -1 to +1 with the mark ▼ as the reference in the check pattern 1, it is O.K.
- If the above procedure is not satisfactory, or for Yellow, check that the color lines are shifted from the black lines in the check pattern 2.

3) Check the following items with the check pattern.
   * Check that the section of the greatest density of C and M in MSR check pattern, MSF check pattern 1, and SS check pattern is in the range of ± 1 with the black triangle mark as the center reference.
     If this check is difficult, perform the following procedure.
     Check that the print lines of M and C in SS check pattern 2, MSF check pattern 2, and MSR check pattern 2 coincide with the print lines of K.
   * Check that the print line of Y in the check (adjustment) pattern of MSR check pattern 2, MSF check pattern 2, and SS check pattern 2 coincides with the print line of K.

If the above conditions are satisfied, cancel the simulation and terminate the adjustment.

If the above conditions are not satisfied, perform the following procedures.

4) Set the printed check (adjustment) pattern on the document table.
   At that time, adjust so that the white triangle mark comes to the center of the left side of the document table, and place 5 sheets of white paper on it.
   Check that the check (adjustment) pattern is in close contact with the document table.



5) Press the [EXECUTE] key.
   The check (adjustment) pattern is scanned (read) and the image resist adjustment is automatically performed. (It takes about 30 sec for scanning (reading) and calculation.)

The calculated adjustment value is displayed together with the adjustment result (EXACT, ROUGH, ERROR).

EXACT: The adjustment has been normally completed.

ROUGH: The accuracy of the adjustment is lower than EXACT due to dirt, dusts, and improper placing of the check (adjustment) pattern, etc.

ERROR: Adjustment error due to erroneous scanning

When "ERROR" is displayed, check the following items and repeat procedures from procedure 1 or perform the manual adjustment of image resist (ADJ M9/ADJ 1/ADJ 2).

* The paper is not placed properly.
* Dirt and dust on the glass and mirrors.
* The check (adjustment) pattern is dirty, folded, or not in close contact with the document glass.

When the check (adjustment) pattern is normally scanned (read), the image resist adjustment is automatically performed and EXACT or ROUGH is displayed, go to procedure 5).

6) Press the [EXECUTE] key.
   A4 or 8.5 × 11 paper is automatically selected and a check (adjustment) pattern is printed.
7) Perform the same procedure as procedure 3). If the image resist is within the specified range, adjustment is completed.

If the adjustment is repeated twice and the image resist is not within the specified range, perform the manual adjustment of image resist (ADJ M9/ADJ 1/ADJ 2).

If the image resist adjustment (auto) has been satisfactorily completed with SIM 50-22, there is no need to perform the following procedures.

1) ADJ M9 (Main scanning direction image resist adjustment/Main scanning direction image magnification ratio adjustment) SIM 50-20
2) ADJ M10 (Sub scanning direction image resist adjustment) SIM 50-21

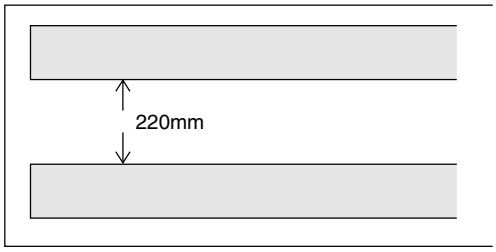
ADJ M9 Main scanning direction copy magnification ratio adjustment (Manual adjustment) (Scanner (Writing) unit) Main scanning direction image registration adjustment (Manual adjustment) (Scanner (Writing) unit)

ADJ 1 Main scanning direction copy magnification ratio adjustment (Scanner (Writing) unit) (Black)

This adjustment must be performed in the following cases:

- When the black scanner (writing) unit is replaced.
- When a U2 trouble occurs.
- When the ICU main PWB is replaced.
- When the EEPROM of the ICU main PWB is replaced.

1) Enter the SIM 50-10 mode.
2) Select H: BLACK LD MAG.
3) Press the [EXECUTE] key.
4) Check that the dimension inside the printed half tone pattern is 220mm.



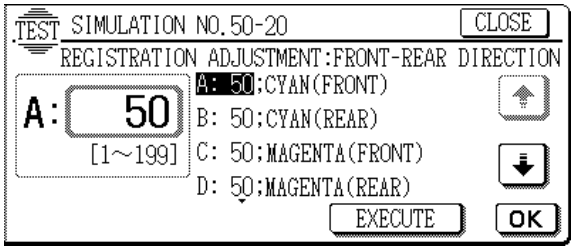
   Use one of the following paper sizes (A4/A3/11" × 8.5"/11" × 17")
5) If the dimension is not as specified above, change the set value and perform an adjustment again.
   Enter the adjustment value with the 10-key and press the [OK] key.

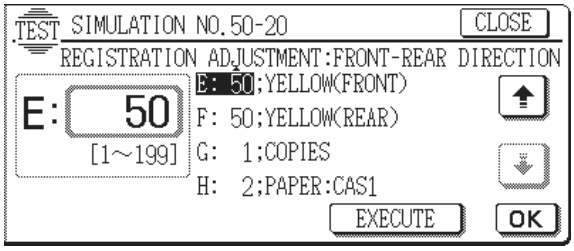
ADJ 2 Main scanning direction color image registration adjustment (Scanner (Writing) unit) (Color)
Main scanning direction copy magnification ratio adjustment (Scanner (Writing) unit) (Color)

This adjustment must be performed in the following cases:

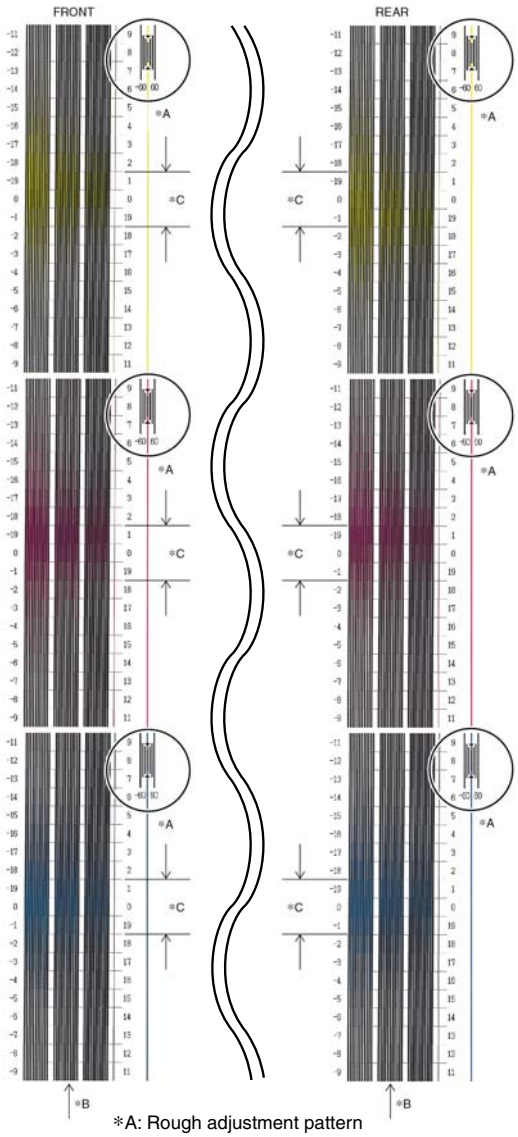
- When the scanner (writing) unit is replaced.
- When the scanner (writing) unit is removed from the machine.
- When the main scanning direction image magnification ratio (scanner (writing) unit (Black)) is performed.
- When a color image mis-resist occurs in the main scanning direction.
- When the installing position is changed.
- When a U2 trouble occurs.
- When the ICU main PWB is replaced.
- When the EEPROM of the ICU main PWB is replaced.

1) Enter the SIM 50-20 mode.





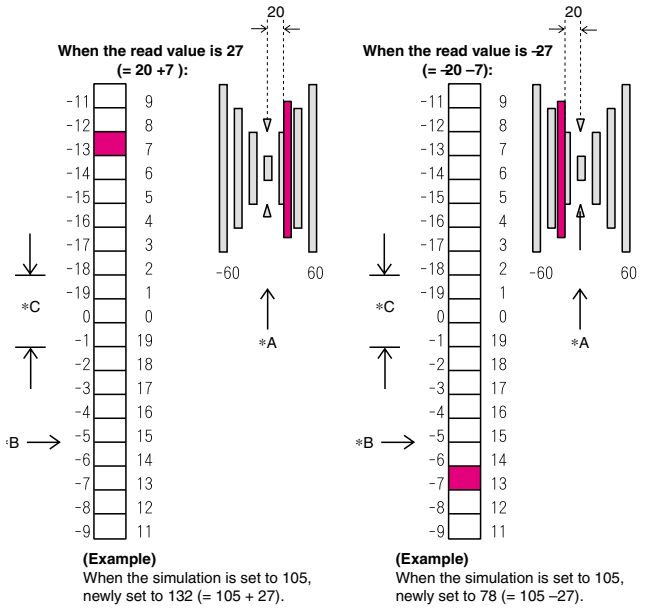
2) Select the paper feed cassette of A3 (11" × 17") paper in the setup item H (PAPER SEL).
   * Use the paper tray at the bottom.
3) Press the [EXECUTE] key. The adjustment pattern is printed.
4) Check the print patterns of the rough adjustment and the fine adjustment for equal color on the front and the rear side.
   Rough adjustment print pattern check: Check that the rough adjustment print pattern is at the center for the rough adjustment reference pattern.
   Fine adjustment print pattern check: Check that the fine adjustment print pattern is at the center for the fine adjustment reference pattern.
   (If the fine adjustment print pattern is in the range of 0 ± 1 for the scale of the fine adjustment reference pattern, there is no need to adjust.)



*A: Rough adjustment pattern
*B: Fine adjustment pattern
*C: Adjustment range (0±1)

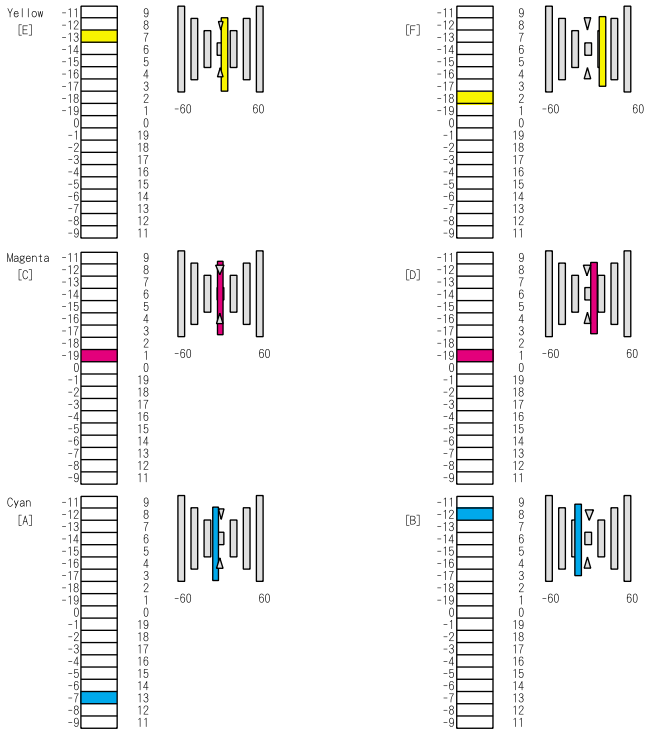
[How to read the pattern]

When deflection is made to the positive (+) side in the rough adjustment, increase the value on the positive (+) side.
When the deflection is made to the negative (-) side in the rough adjustment, increase the value on the negative (-) side.



*A: Rough adjustment pattern
*B: Fine adjustment pattern
*C: Adjustment range

[Main scan registration adjustment pattern]



(Example) Set the simulation values as shown below.

A: 100		A: 93 (=100 -7)
B: 112		B: 100 (=112 -12)
C: 95	→	C: 96 (=95+1)
D: 98	Reset value	D: 109 (=98+1)
E: 102		E: 109 (=102+7)
F: 96		F: 118 (=96+22)

If the rough adjustment pattern or the fine adjustment pattern is not in the above range, perform the following procedures.

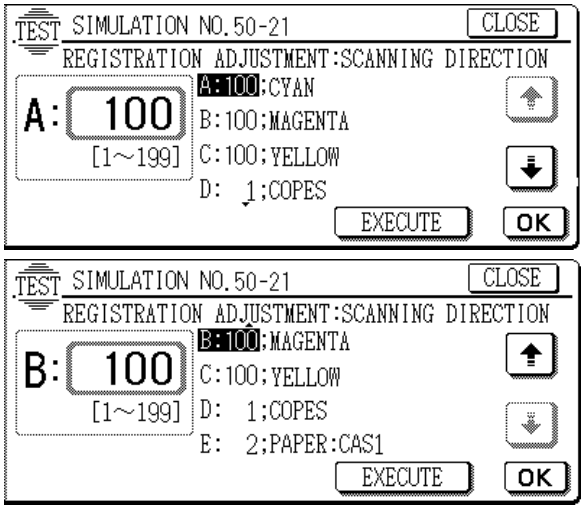
5) Calculate the shift from the adjustment reference position for each adjustment mode.
The sum of the shift of rough adjustment reference and the shift of fine adjustment is the actual shift.
Shift (Correction value) = Rough adjustment shift + Fine adjustment shift
The interval between scales of the rough adjustment reference corresponds to 20. Be careful of polarities of the shift (positive or negative) when calculating.
6) Select the mode to be adjusted with the scroll key.
7) Add or reduce to or from the current adjustment value, enter the obtained value, and press the [OK] key.
   - When the shift (correction value) is positive:
     Adjustment value = Current adjustment value + Shift (Correction value)
   - When the shift (correction value is negative:
     Adjustment value = Current adjustment value – Shift (Correction value)
8) Press the [EXECUTE] key.
The adjustment pattern is printed.
Check that the conditions of procedure 4) are satisfied.
Repeat procedures 4) –8) until the conditions of procedure 4) are satisfied.

NOTE: When either of the adjustment values of the front and the rear adjustment mode is changed, the other adjustment print pattern may be varied. Be careful of that.
When the adjustment can be completed with a fine adjustment, perform the front adjustment mode first, and then perform the rear adjustment mode after completion of the front adjustment.
Before performing this adjustment, be sure to adjust the K magnification ratio (SIM 50-10, H) properly.

ADJ M10 Sub scanning direction color image resist adjustment (Manual adjustment) (Scanner (Writing) unit) (Color)

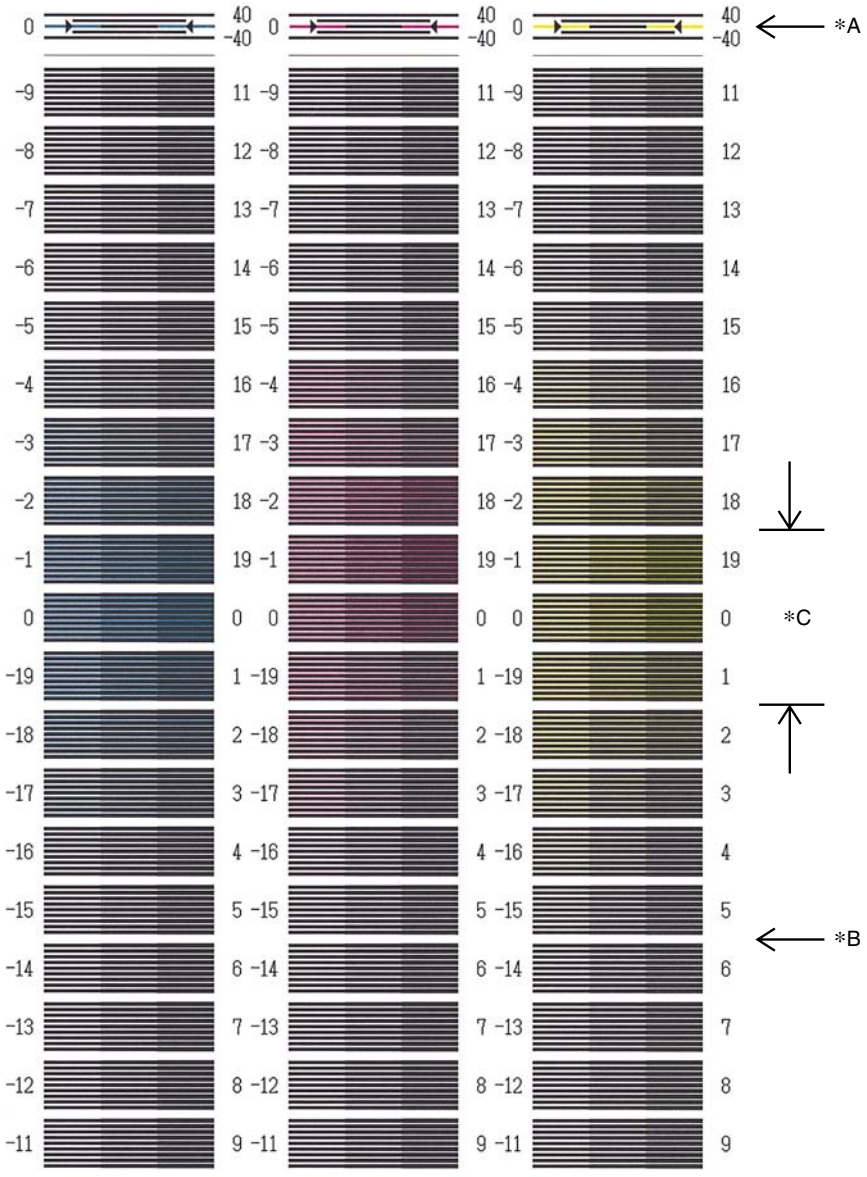
This adjustment must be performed in the following cases:

- When the scanner (writing) unit is replaced.
- When the scanner (writing) unit is removed from the machine.
- When a color image mis-resist occurs in the sub scanning direction.
- When the installing position is changed.
- When a U2 trouble occurs.
- When the ICU main PWB is replaced.
- When the EEPROM of the ICU main PWB is replaced.



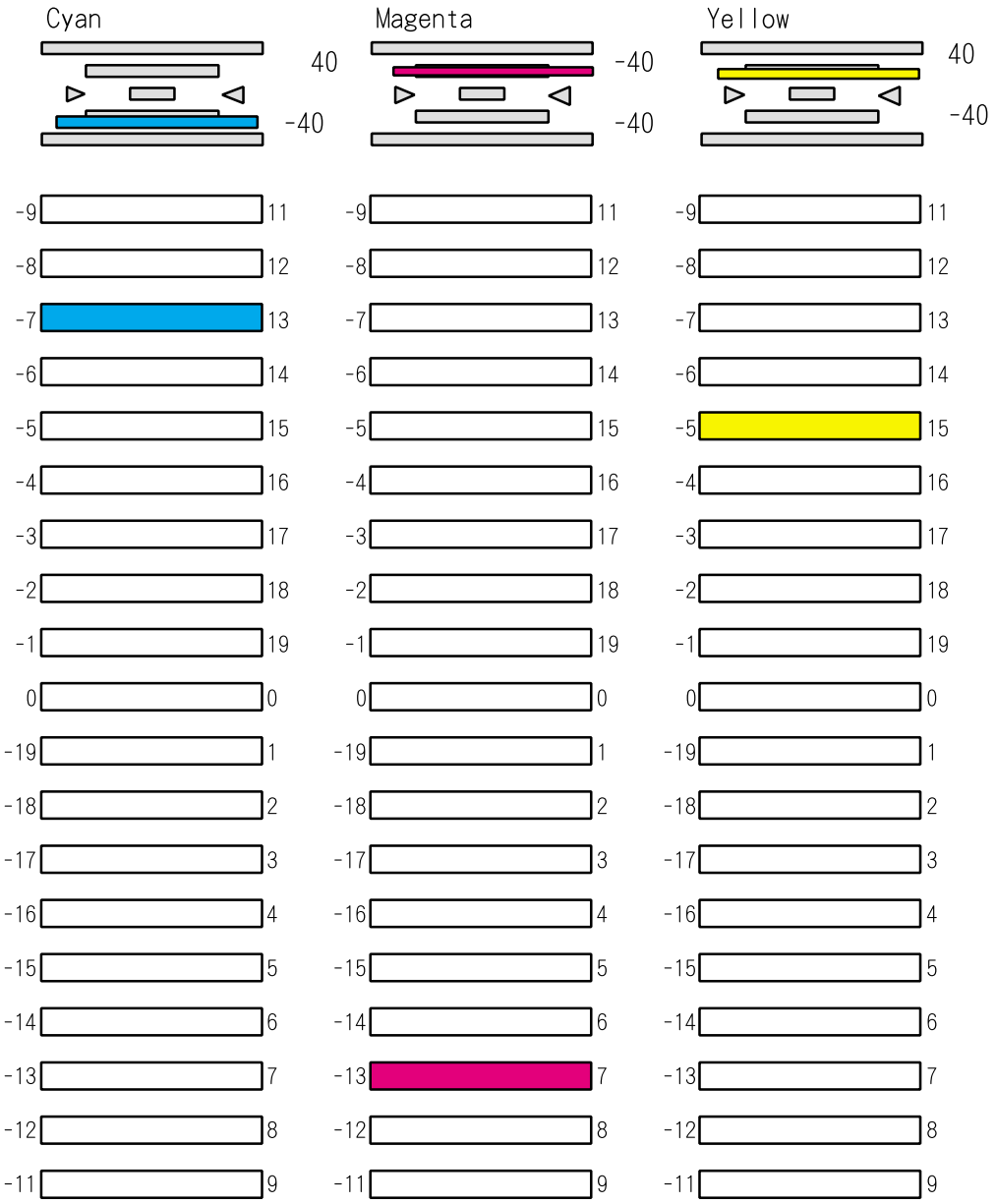
1) Enter the SIM 50-21 mode.
2) Select the paper feed cassette of A4 (8 1/2" × 11") paper in the setup item E (PAPER SEL).
   * Use the paper tray at the bottom.
3) Press the [EXECUTE] key. The adjustment pattern is printed.
4) Check the rough adjustment print pattern position and the fine adjustment print pattern position for each color.
   - Rough adjustment print pattern check
     Check that the rough adjustment print pattern is at the center of the rough adjustment reference pattern.
   - Fine adjustment print pattern check
     Check that the fine adjustment print pattern is at the center of the fine adjustment reference pattern.

   (If the fine adjustment print pattern is in the range of 0 ± 1 for the scale of the fine adjustment reference pattern, there is no need to adjust.)



*A: Rough adjustment pattern
*B: Fine adjustment pattern
*C: Adjustment range

[Sub scan registration adjustment pattern]



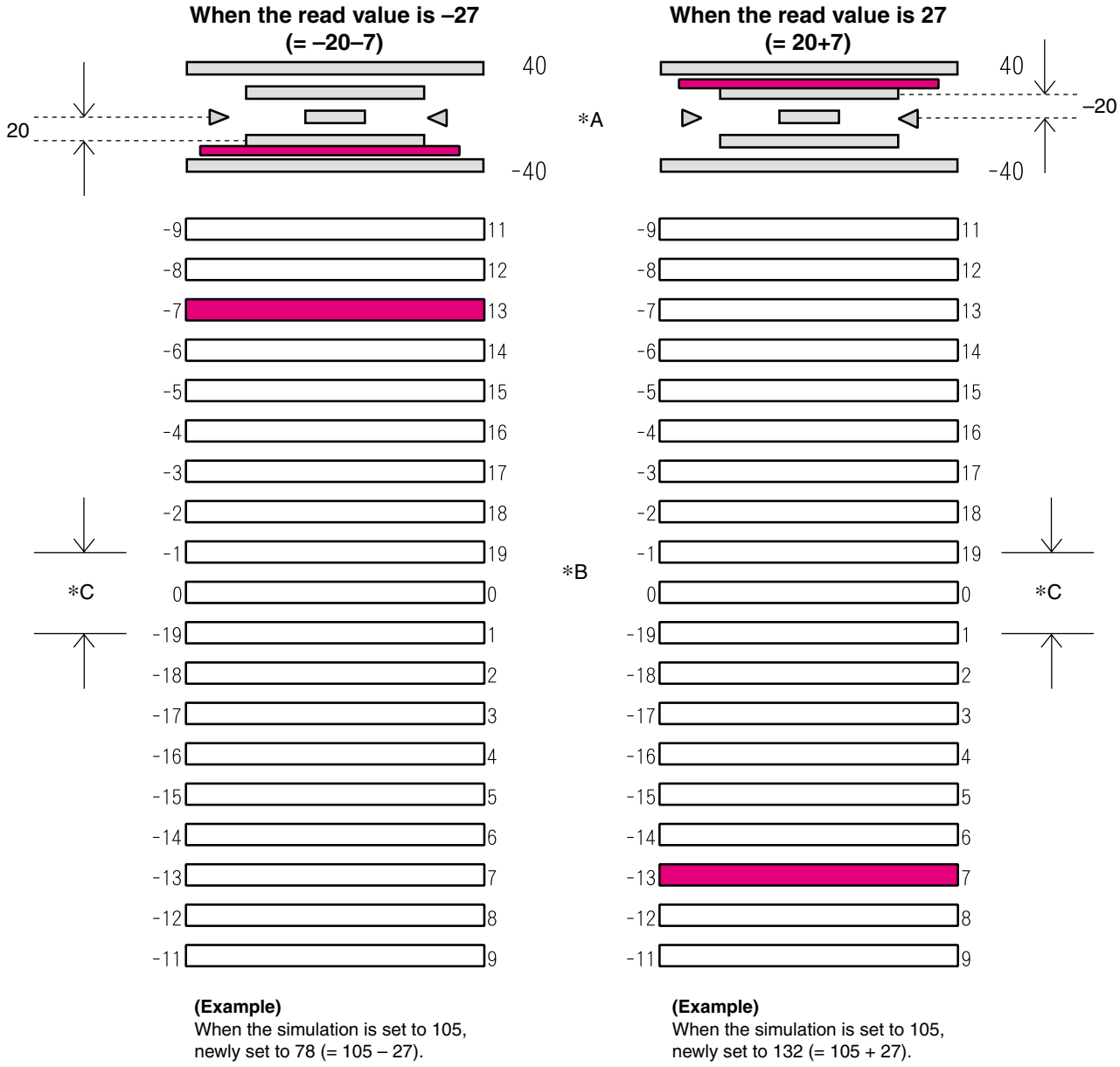
(Example) Set the simulation set values as shown below.

A: 100	→	A: 73 (=100 –27)
B: 112	Set value	B: 129 (=112 + 17)
C: 95		C: 110 (=95+15)

[How to read the pattern]

When deflection is made to the positive (+) side in the rough adjustment, increase the value on the positive (+) side.

When the deflection is made to the negative (–) side in the rough adjustment, increase the value on the negative (–) side.



(Example)
When the simulation is set to 105,
newly set to 78 (= 105 – 27).

(Example)
When the simulation is set to 105,
newly set to 132 (= 105 + 27).

*A: Rough adjustment pattern
*B: Fine adjustment pattern
*C: Adjustment range

If the rough adjustment pattern or the fine adjustment pattern is not in the above range, perform the following procedures

5) Calculate the shift from the adjustment reference position for each adjustment mode.
   The sum of the shift of rough adjustment reference and the shift of fine adjustment is the actual shift.
   Shift (Correction value) = Rough adjustment shift + Fine adjustment shift
   The interval between scales of the rough adjustment reference corresponds to 20. Be careful of polarities of the shift (positive or negative) when calculating.
6) Select the mode to be adjusted with the scroll key.
7) Add or reduce to or from the current adjustment value, enter the obtained value, and press the [OK] key.
   - When the shift (correction value) is positive:
     Adjustment value = Current adjustment value + Shift (Correction value)
   - When the shift (correction value is negative:
     Adjustment value = Current adjustment value – Shift (Correction value)
8) Press the [EXECUTE] key.
   The adjustment pattern is printed.
   Check that the conditions of procedure 4) are satisfied.

Repeat procedures 4) – 8) until the conditions of procedure 4) are satisfied.

NOTE: Before performing this adjustment, SIM 44-20 or 44-31 (drum phase adjustment) must have been adjusted properly.

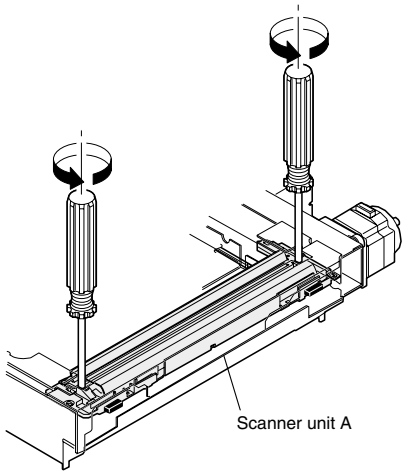
ADJ M11 Image distortion adjustment

This adjustment must be performed in the following cases:

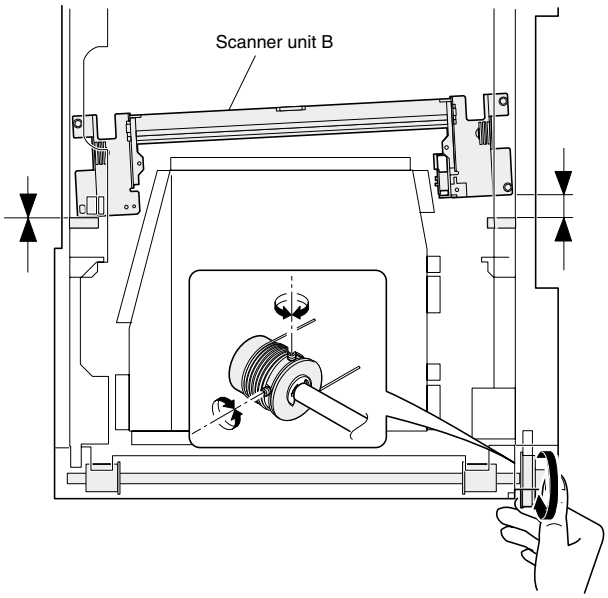
- When the scanner (reading) section is disassembled.
- When a copy image distortion occurs.

ADJ 1 Scanner (Reading) unit parallelism adjustment

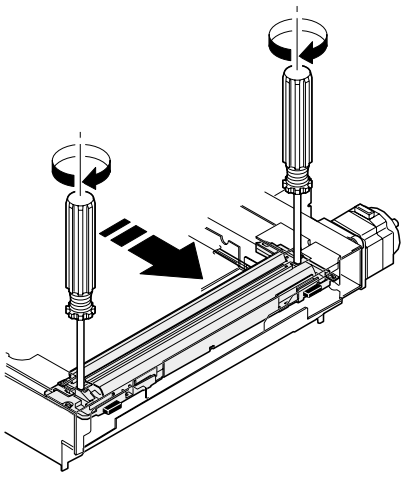
1) Loosen the screw which is fixing the scanner unit A and the drive wire, and remove the scanner unit A from the drive wire.

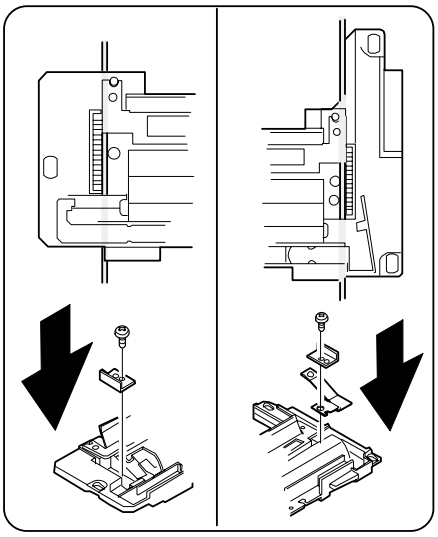


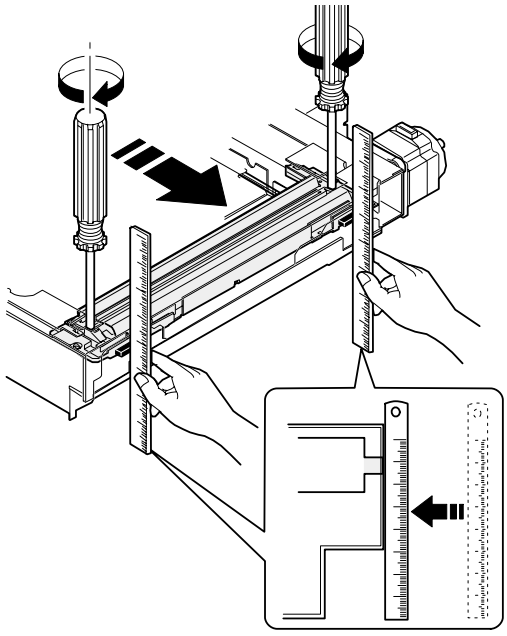
2) Manually turn the scanner drive gear to bring the scanner unit B into contact with the stopper.
   At that time, if the scanner unit B makes contact with the two stoppers on the front and the rear frame simultaneously, the parallelism of the scanner unit B is proper.
   If not, perform the following procedures.
3) Loosen the fixing screw of the scanner unit drive pulley on the side where the scanner unit B is not in contact with the stopper.



4) While keeping the scanner unit drive shaft stationary, turn the scanner unit drive pulley manually so that the scanner unit B makes contacts with two stoppers on the front and the rear frame side simultaneously. (Change the relative positions of the scanner unit drive pulley and the drive shaft.)
5) Fix the scanner unit drive pulley fixing screw which was loosened in procedure 3).
6) Perform procedure 2).
   Repeat procedures 3) – 6) until the parallelism of the scanner unit B becomes proper.
7) With the scanner unit B in contact with two stoppers on the front and the rear frame side simultaneously, slide the scanner unit A until it comes to the right end of the frame, and fix it to the drive wire with the fixing screw.

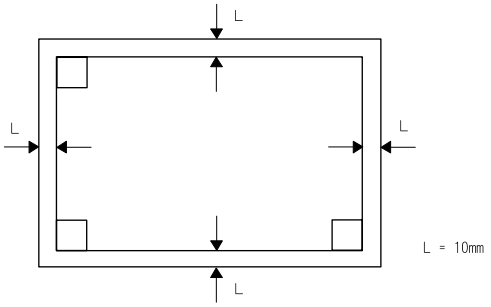




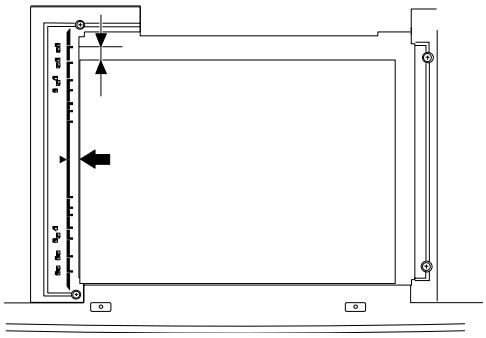


ADJ 2 Image sub scanning direction distortion adjustment

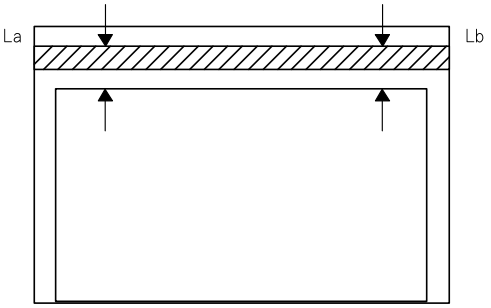
1) Make a test chart on A3 (11 × 17") paper as shown below. (Draw a rectangular with four right angles.)



2) Set the test chart made in procedure 1) on the document table. (Leave a space of about 30mm between the reference position and the test chart. With the document cover open, make a copy on A3 (11 × 17").

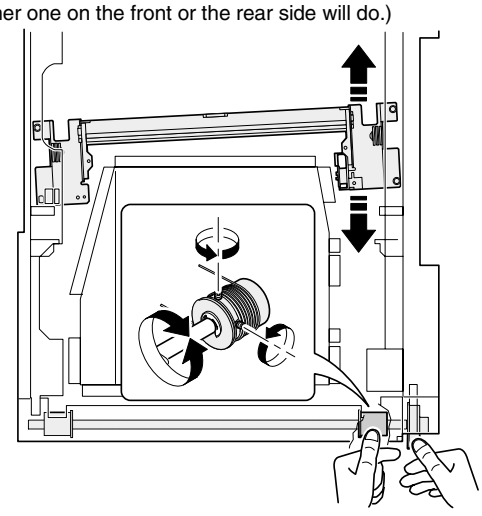


3) Check for distortion in the sub scanning direction.
If La = Lb, there is no distortion.



If there is some distortion in the sub scanning direction, perform the following procedures.

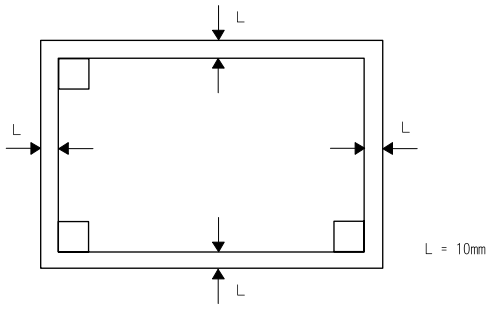
4) Loosen either of two fixing screws of the scanner unit drive pulley. (Either one on the front or the rear side will do.)



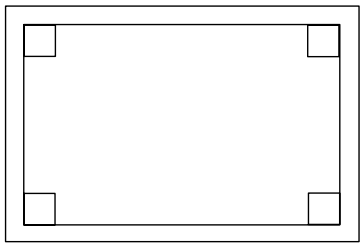
5) With the scanner unit drive shaft kept stationary, turn the scanner unit drive pulley manually to change the parallelism of scanner units A and B. (Change the relative positions of the scanner unit drive pulley and the drive shaft.)
6) Tighten the scanner unit drive pulley fixing screw.
Repeat procedures 2) – 6) until the condition of procedure 3) is satisfied.

ADJ 3 Image scanning direction distortion adjustment

1) Make a test chart on A3 (11 × 17") paper as shown below. (Draw a rectangle with four right angles.)

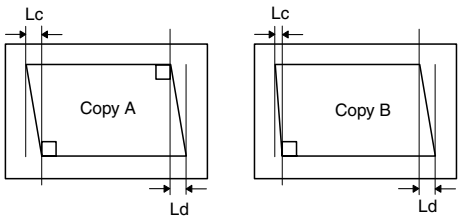


2) Set the test chart made in procedure 1) on the document table. With the document cover open, make a copy on A3 (11 × 17").
3) Check for distortion in the main scanning direction.
If the four angles of the rectangle on the copy are right angles, there is no distortion. (Completion of the adjustment)



If there is some distortion in the main scanning direction, perform the following procedures

4) Check for a difference between the right distortion and the left distortion (balance).



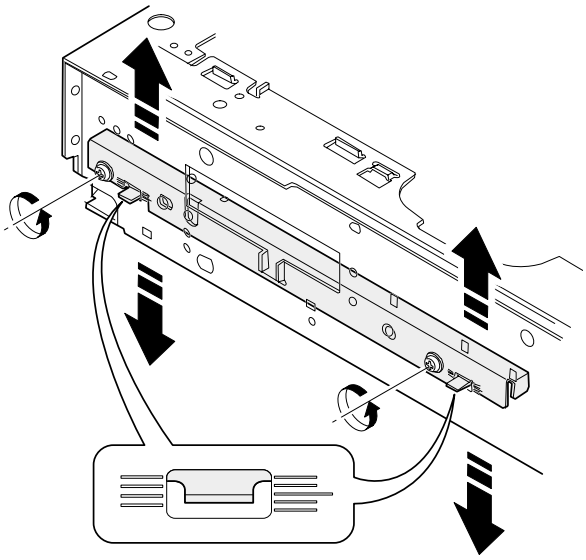
Left distortion is equal to right distortion.
Lc = Ld

Left distortion is not equal to right distortion
Lc ≠ Ld

If Lc = Ld, there is no difference between the left distortion and the right distortion.

If the above condition is satisfied, go to procedure 6).
If the above condition is not satisfied, perform the following procedures.

5) Change the height balance of the front frame side scanner rail.
Perform procedures 2) – 5) until there is no difference between the left distortion and the right distortion.



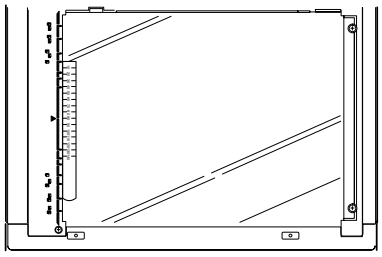
6) When there is no difference between the left distortion and the right distortion, change the height of the scanner rail on the front frame side.
7) Set the test chart made in procedure 1) on the document table, and make a copy on A3 (11 × 17") paper. Check that the main scanning distortion is within the specified range.
Repeat procedures 6) – 7) until the main scanning direction distortion is within the specified range.

ADJ M12 Image focus (main scanning direction copy magnification ratio) adjustment (CCD position adjustment)

This adjustment must be performed in the following cases:

- When the CCD unit is removed from the machine.
- When the CCD unit is replaced.
- When the copy image focus is improper.
- When the copy magnification ratio in the main scanning direction is improper.

1) Enter the SIM 48-1 mode.
2) Set the set item B to 50 (initial value).
3) As shown in the figure below, place a scale on the original table.

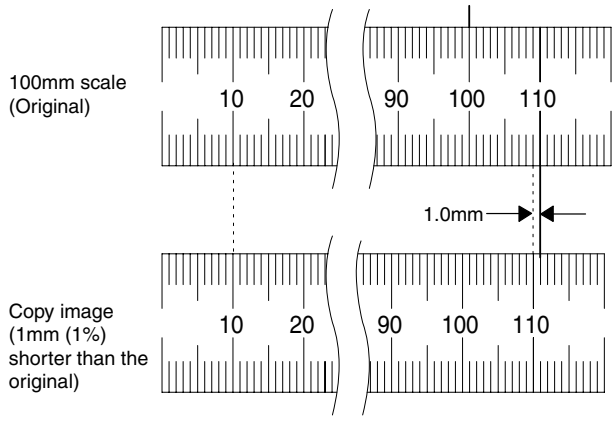


4) Make a normal copy on A4 paper.
5) Compare the scale image length and the actual scale length.
6) Obtain the main scanning direction copy magnification ratio according to the following formula.
Main scanning direction copy magnification ratio

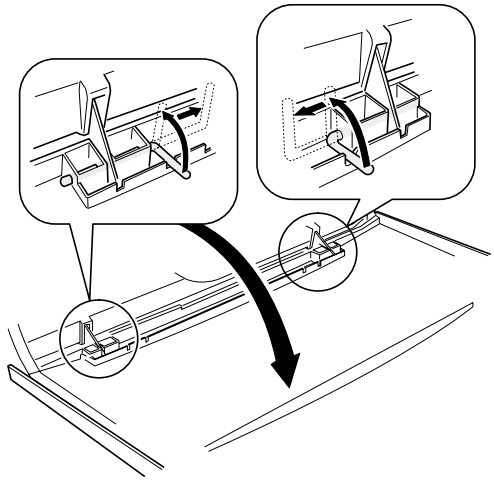
$$= \frac{(\text{Original length} - \text{Copy length})}{\text{Original length}} \times 100[\%]$$

(Example) Fit 10mm of the scale with 10mm of the copied scale and compare them.
Main scanning direction copy magnification ration

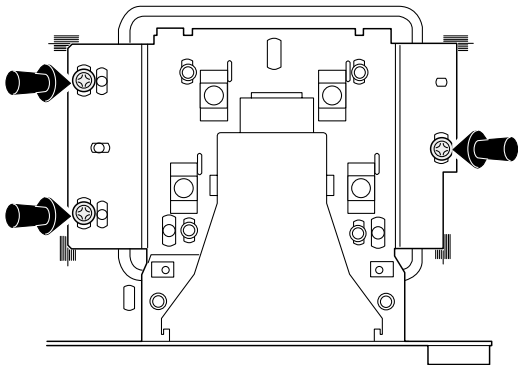
$$= \frac{100 - 99}{100} \times 100 = 1$$



7) Remove the original guide L and R, and remove the table glass.
8) Remove the dark box cover.
9) Remove the slide pin of the front cover unit.

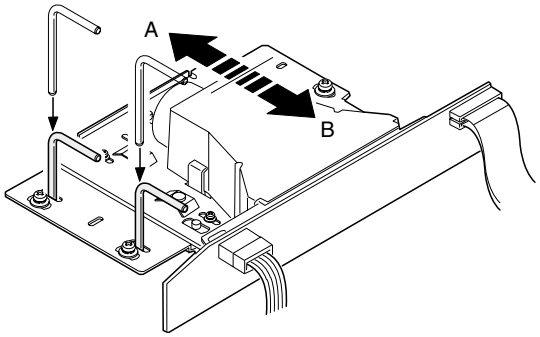


10) Loosen the CCD unit fixing screws.



* Never loosen the screws which are not indicated in the figure above. If loosened, the CCD unit must be replaced.

11) Insert the slide pin as shown below, and make positioning in the sub scanning direction. (Initial positioning is completed.)



12) Make a copy in the initial position and check the copy magnification ratio again.

If the copy magnification ratio is not in the range of 100 ± 1%, perform the following procedure.

Repeat procedures 12) and 13) until the copy magnification ratio is within the range of 100 ± 1%.

When the copy image is longer than the original, move in the direction of B. When the copy image is shorter than the original, move in the direction of A. One scale of scribe line corresponds to 0.2%.

13) Change the installing position in the CCD sub scanning direction to adjust the magnification ratio.

NOTE: Due to the structure of the optical system, when the CCD unit fixing position is changed with SIM 48-1 set to 50, the copy magnification ratio is adjusted to the specified level (100 ± 1.0%) and the specified resolution is provided.

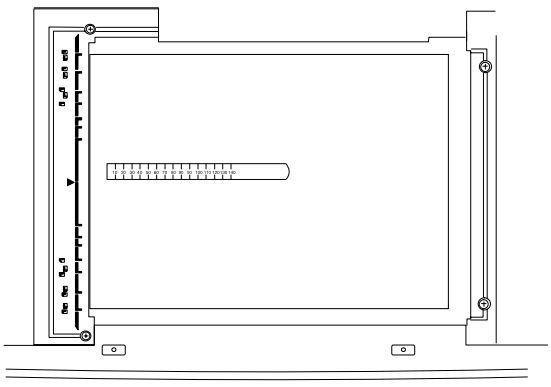
ADJ M13 Sub scanning direction copy magnification ratio adjustment

This adjustment must be performed in the following cases:

- When the copy magnification ratio in the copy image sub scanning direction is improper.
- When the scanner motor is replaced.
- When the scanner motor control PWB is replaced.
- When a U" trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

Before this adjustment, perform the focus adjustment (CCD unit installing position adjustment).

1) Place a scale on the original table as shown below.

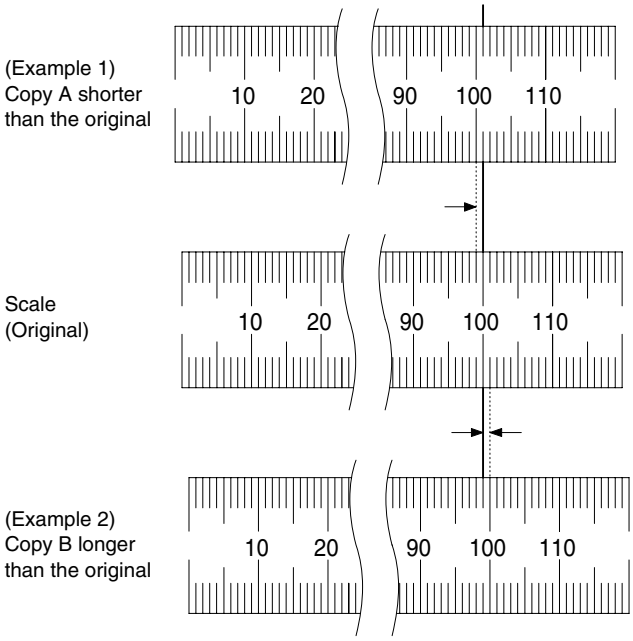


2) Enter the SIM 48-1 mode.

3) Make a normal copy and obtain the copy magnification ratios.

Copy magnification ratio

$$= \frac{(\text{Original dimension} - \text{Copy dimension})}{\text{Original dimension}} \times 100[\%]$$



4) Check that the copy magnification ratio is within the specified range (100 ± 1%).
If the copy magnification ratio is within the specified range (100 ± 1%), the adjustment is completed.
If not, perform the following procedure.

5) Change the scan mode adjustment value of SIM 48-1.
When the adjustment value is increased, the sub scanning direction copy magnification ratio is increased.
A change in the adjustment value by 1 corresponds to a change in the copy magnification ratio by about 0.1%.
Repeat procedures 3) – 5) until the coy magnification ratio is within the specified range (100 ± 0.28%).

NOTE: Fix the adjustment value of SIM 48-1 adjustment mode (F – R) to 50.

ADJ M14 Image position adjustment (Main scanning direction) (Print engine)

This adjustment must be performed in the following cases:

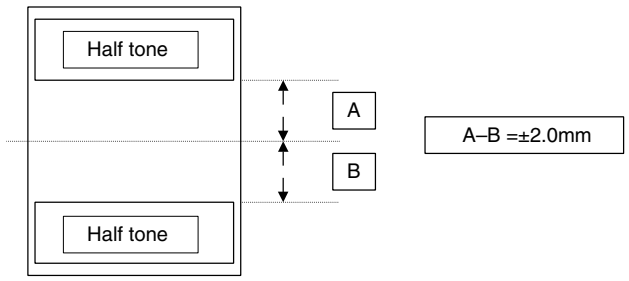
- When the paper tray is replaced.
- When the paper tray section is disassembled.
- When the manual paper feed tray is replaced.
- When the manual paper feed tray is disassembled.
- When the duplex section is disassembled.
- When the duplex section is installed or replaced.
- When the large capacity paper feed tray is installed or replaced.
- When the large capacity paper feed tray is disassembled.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

1) Enter the SIM 50-10 mode.
2) Select the paper feed mode to be adjusted with the scroll key.
3) Press the [EXECUTE] key.
The adjustment pattern is printed.

4) Check the adjustment pattern image position.
Measure the dimensions from the paper center to the front and the rear edge of the adjustment pattern to check that they are the same.

If A – B = ± 2.0mm, there is no need to adjust.

If the above condition is not satisfied, perform the following procedure.

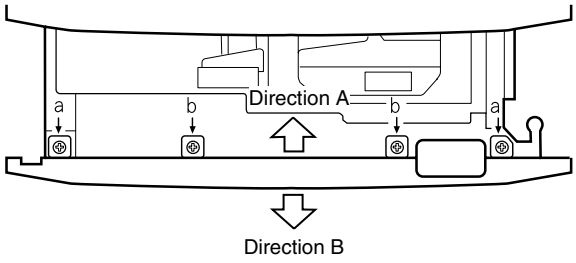


5) Change the adjustment value.
(Enter the adjustment value and press the [OK] key.)
When the adjustment value is increased, the image is shifted backward.
When the adjustment value is decreased, the image is shifted forward.
A change in the set value by 1 corresponds to a change in the shift by about 0.1mm.

Repeat procedures 3) – 5) until the condition of procedure 4) is satisfied.

If the above condition cannot be satisfied with the above procedures, perform the following procedures.

6) Loosen the paper feed tray cover fixing screw, and shift the installing position in the arrow direction.
Perform procedures from 2) again.



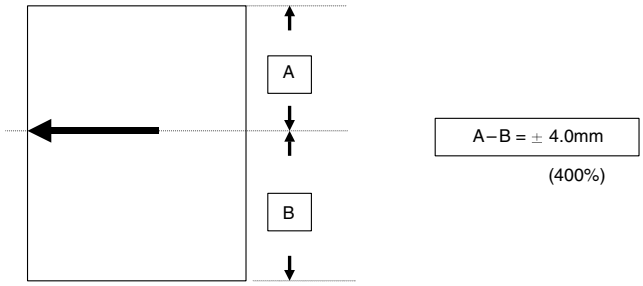
Perform the above procedures for all paper feed units.

ADJ M15 Image position adjustment (Main scanning direction) (Scanner (Writing))

This adjustment must be performed in the following cases:

- When the scanner (reading) section is disassembled.
- When the scanner (reading) unit is replaced.
- When the RADF section is disassembled.
- When the RADF unit is installed.
- When the RADF unit is replaced.
- When a U2 trouble occurs.
- When the ICU main PWB is replaced.
- When the EEPROM of the ICU main PWB is replaced.

1) Set the adjustment chart on the document table.
2) Enter the SIM 50-12 mode.
The copy magnification ratio is automatically set to 400%.
3) Select the OC mode with the scroll key.
4) Press the COPY key. A copy is made.
5) Check the copy image center position.
If A – B = ± 4.0mm, there is no need to adjust. (400%)
If the above condition is not satisfied, perform the following procedures.



6) Change the adjustment value.
(Enter the adjustment value and press the OK key.)
When the adjustment value is increased, the image is shifted backward. When the adjustment value is decreased, the image is shifted forward.
A change in the set value by 1 corresponds to a change in the shift by about 0.4mm. (400%)

Repeat procedures 4) – 6) until the condition of procedure 5) is satisfied.

ADJ M16 "Image position, image loss, void area adjustment"

This adjustment must be performed in the following cases:

- When the scanner (reading) section is disassembled.
- When the scanner (reading) unit is replaced.
- When the resist roller section is disassembled.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

This adjustment uses SIM 50-2 and SIM 50-1.

The above two simulations are used in the following manner.

SIM 50-2: Rough adjustment
SIM 50-1: Fine adjustment

If the desired value is obtained by SIM 50-2, there is no need to perform SIM 50-1.

(Adjustment item)

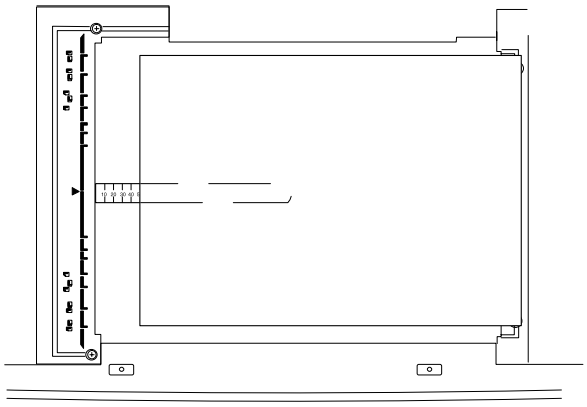
No.	Adjustment item	SIM 50-2 set item	SIM 50-1 set item	Adjustment value
1	Lead edge image loss	IMAGE LOSS	IMAGE LOSS	4.0 ± 1.0mm
2	Lead edge void area	DEN-A	DEN-A	4.0 ± 1.0mm
3	Rear edge void area	DEN-B	DEN-B	6.0 ± 1.0mm
4	Image reference position		RRC-A	
5	Paper timing		RRC-B	
6	Distance between image lead edge position and scale of 10mm × 10	L1		
7	Distance between paper lead edge and image lead edge × 10	L2		

Adjustment items 1 – 3 can be adjusted either with SIM 50-1 or with SIM 50-2.

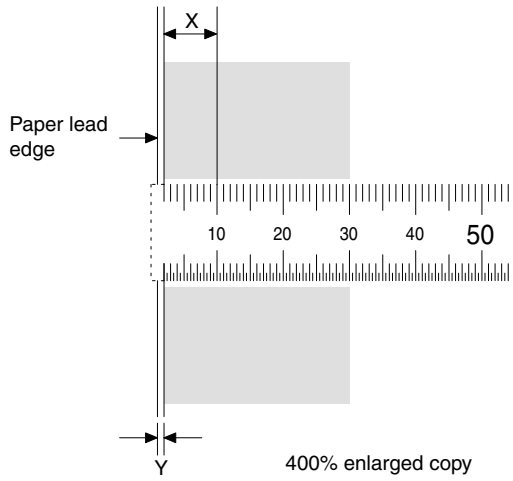
The adjustment values 6 and 7 will affect the adjustment items 4 and 5 automatically.

Therefore, adjusting the items 6 and 7 will lead to the same result as adjusting the items 4 and 5 directly.

1) Place a scale on the original table as shown below.
   Note that the scale must be placed in parallel with the scanning direction and that the scale lead edge must be in close contact with the original guide plate.



2) Enter SIM 50-2.
3) Set IMAGE LOSS and DEN-A to "20".
4) Set all the set items of L1 and L2 to "0".
5) Make a copy at 400%. (Original table mode)
6) Measure the copied image dimensions X and Y.
   X: Distance between the copy image lead edge and the scale of 10mm
   Y: Distance between the paper lead edge and the copy image lead edge.



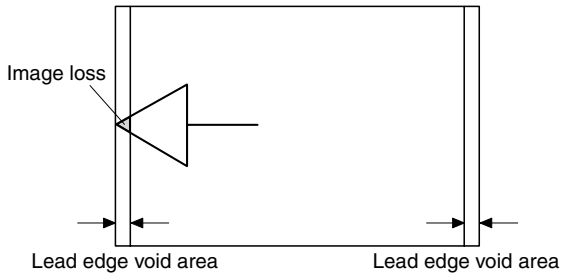
7) Multiply X, Y, and Z by 10 to obtain L1, L2, and L3 respectively. Enter the values of L1, L2, and L3.
   $L1 = X \times 10$
   $L2 = Y \times 10$
8) Cancel the simulation, make a copy, and check that the lead edge image loss and void area are within the specified range shown below.
   Lead edge image loss: 4.0 ± 1.0mm
   Lead edge void area: 4.0 ± 1.0mm

If the above specifications are not satisfied, perform the following procedures.

9) Enter SIM 50-1.
10) Set a scale in the same manner as procedure 3), and make a copy at 50% and at 400% in the original table mode.
11) Measure the distance between the paper lead edge and the copy image lead edge of 50% copy and of 400% copy.
12) Check that there is no difference between the above distance of 50% copy and that of 400% copy.
    If there is a difference of 1.5mm or above, change the adjustment value of RRC-A.

Repeat procedures 10) to 12) until the above specification is satisfied.

13) If the lead edge void area is not within the specified range, change the DEN-A value.
14) If the lead edge void area is not within the specified range, change the IMAGE LOSS value.
15) If the rear edge void area is not within the specified range, change the DEN-B value.



	Adjustment item	Adjustment value	Note
IMAGE LOSS	Lead edge image loss	4.0 ± 1.0mm	The greater the set value is, the greater the image loss is.
DEN-A	Lead edge void area	4.0 ± 1.0mm	The greater the set value is, the greater the void area is.
DEN-B	Rear edge void area	6.0 ± 1.0mm	The greater the set value is, the greater the void area is.

ADJ M17 Copy color blance and density adjustment

(1) Note before color balance and density adjustment

(Conditions required for color balance and density adjustment)

Before performing color balance and density adjustment, the following adjustments must have been completed normally, which will affect color balance and density adjustment.

The importance level is as shown below.

(The following adjustment items directly affect color balance and density adjustment and should be performed in advance to the picture quality adjustment.)

1) Adjustment items: ADJ M4, ADJ M7, ADJ M8, ADJ M9A (ADJ M9), ADJ M10

ADJUSTMENT ITEM				SIMULATION
ADJ M4	High voltage adjustment	ADJ 1	Main charger grid voltage adjustment	8-2
		ADJ 2	DV bias voltage adjustment	8-1
		ADJ 3	Transfer voltage adjustment	8-6 (Old) 44-30 (New)
ADJ M7	Image skew adjustment (Scanner (Writing) unit)			64-1
				61-4
ADJ M8	Photoconductor phase adjustment			44-20 (Old) 44-31 (New)
ADJ M9A	Image registration adjustment (Auto adjustment) (AR-C250/C160) (New version of AR-C150)	Main scanning direction copy magnification ratio adjustment (Scanner (Writing) unit) Main scanning direction image registration adjustment (Scanner (Writing) unit) Sub scanning direction color image resist adjustment (Scanner (Writing) unit) (Color)		50-22
ADJ M9	Main scanning direction copy magnification ratio adjustment (Manual adjustment) (Scanner (Writing) unit)	ADJ 1	Main scanning direction copy magnification ratio adjustment (Scanner (Writing) unit) (Black)	50-10
	Main scanning direction image registration adjustment (Manual adjustment) (Scanner (Writing) unit)	ADJ 2	Main scanning direction color image resist adjustment (Scanner (Writing) unit) (Color) Main scanning direction copy magnification ratio adjustment (Scanner (Writing) unit) (Color)	50-20
ADJ M10	Sub scanning direction color image resist adjustment (Manual adjustment) (Scanner (Writing) unit) (Color)			50-21

2) The adjustment items A - E of SIM 46-1/2/10 - 20 and the adjustment values of SIM 46-27 should be all set to 50.
3) SIM 26-55 should be set to DISABLE.
4) The scanner (reading) section should be clean.
5) The image process section (charger unit, transfer section, developing section, OPC drum section, etc.) should be clean.

(The following adjustment items affect color balance and density, but they are required to be adjusted frequently. In case of a trouble, however, they should be checked and adjusted.)

1) Adjustment item: ADJ M1, ADJ M2, ADJ M3, ADJ M6

ADJUSTMENT ITEM				SIMULATION
ADJ M1	DV doctor gap adjustment			
ADJ M2	DV roller main pole position adjustment			
ADJ M3	Toner concentration control reference level setting			25-2/44-27
ADJ M6	Image density sensor adjustment	ADJ 1	Image density sensor calibration	44-13
		ADJ 2	Image density sensor sensing position adjustment	44-23

(The following adjustment items do not affect color balance and density directly.)

1) Adjustment items: ADJ M5, ADJ M11, ADJ M12, ADJ M13, ADJ M14, ADJ M15, ADJ M16, ADJ M17/ADJ 1/ADJ 1A , ADJ M18, ADJ M19, ADJ M20, ADJ M21, ADJ M22, ADJ M23, ADJ M24, ADJ M25

(Relationship between servicing contents and color balance/density adjustment)

Note that the procedures before and after the copy color balance/density adjustment differ depending on the conditions of the machine and the servicing contents.

There are following 5 major cases.

Refer to the table below to meet the necessity of each case.

1) When installing
2) When performing the periodic maintenance
3) When replacing consumable parts in repair work
4) When not replacing consumable parts in repair/check work
5) When cleaning the scanner (reading) section in repair/check work

(2) Necessary work items in maintenance service

The work items necessary for maintenance are shown below.

Perform the work according to the following description when other than maintenance (when replacing a consumable part/when repairing and checking (without replacement of consumable parts)/when installing/when cleaning the scanner (reading) section/etc.)

No	JOB No		Work item	Simulation		When installing	Repair (When a consumable part is replaced)/maintenance						When in repair/check (without replacing consumable parts)
							After replacing OPC drum (*1)	After replacing developer (*2)	After replcing transfer belt	After disposing transfer section waste toner	After cleanign scanner (reading) section	When in periodic maintenance	
1	ADJ M3		Toner concentration reference control level setup	25	2	*		*					
2			Developer counter clear	24	5			*					
3			OPC drum counter clear	24	7		*						
4	ADJ M5		Image desntiy sensor adjustment	44	13				*			*	
5	ADJ M6		Image density sensor position adjustment	44	23				*			*	
6	ADJ M7		Image skew adjustment	64	1							*	
7	ADJ M8		OPC drum phase adjustment	44	20 (Old)/31 (New)	*	*						
8			Transfer section waste toner counter clear	24	8					*			
9			Half-tone correction level is set to zero.	44	27		*	*					
10	ADJ M9A (ADJ M9)		Main scan direction image resist adjustment	50	22 (Auto)/ 20 (Manual)					*			
11	ADJ M9A (ADJ M10)		Sub scan direction image resist adjustment	50	22 (Auto)/ 21 (Manual)					*			
12	ADJ M17	ADJ 1	CCD gamma adjustment (Normal document mode)	63	3					*	*7A		
13	ADJ M17	ADJ 2	Color balance/density adjustment (Auto)	46	22/24					*	*6B		
										*6A			
14			Process correction is forcibly performed.	44	6				*3	*			
15	ADJ M17	ADJ 3	Color balance/density adjustment (Manual)	46	21					*			
16			Half-tone image correction initial setup (color balance adjustment data memory)	44	21				*3	*			
*5													
17			Half-tone correction is forcibley performed.	44	26					*			
18			Copy check							*			
19			The service target of the auto color balance adjustment is set. (AR-C150/C160/C250)	63	7				*3	*			
20	ADJ M17	ADJ 4	Color balance adjustment (individual adjustment for each copy mode)	46	10 - 19 25 (AR-C160/C250)				*4	*			
21	ADJ M17	ADJ 1A	CCD gamma adjustment (Copy document mode) (AR-C160/C250)	63	9				*7B	*			

Job No. indicates the title number of adjustment items specified in the chapter of the adjustments. Refer to Use this number when referring to the details, as necessary.

*1/*2: Replace all the three colors (Y, M, C) at a time. Color developers and color OPC drums must be replaced at a time. Black developer and black OPC drum can be replaced individually.

*3: Before and after the manual color balance/density adjustment, these items must be performed. When performing the auto color balance/density adjustment, there is no need to perform these items.

*4: Perform as required.

*5: Make a copy and check the copy color balance and density. If satisfactory result is not obtained, perform the procedure again.

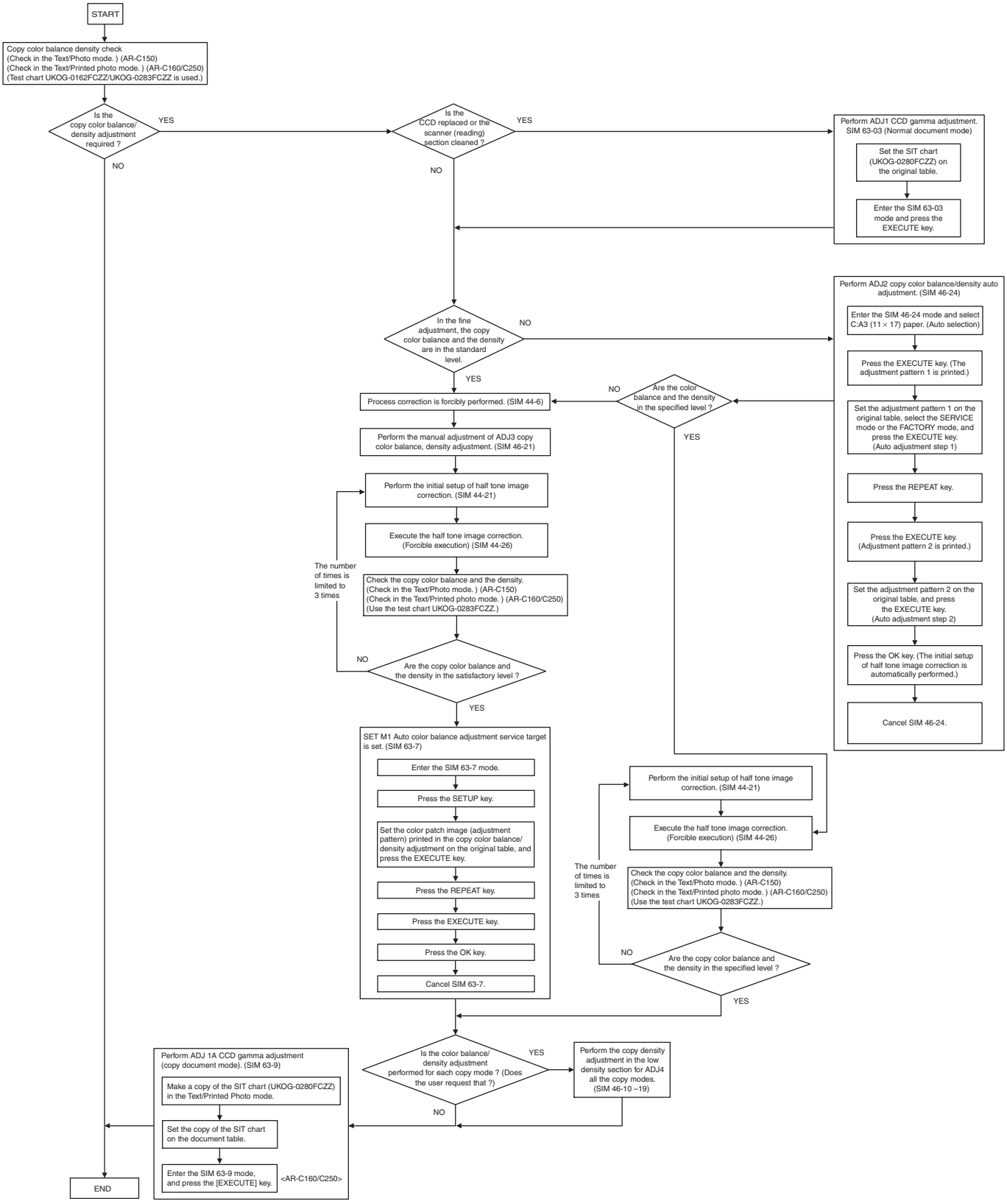
*6A: If a satisfactory result is obtained by the auto color balance/density adjustment, there is no need to perform the manual color balance/density adjustment.

*6B: It is also allowed to make the manual color balance/density adjustment without performing the auto color balance/density adjustment.

*7A: Required only when the scanner (reading) section is cleaned.

*7B: After completion of the CCD gamma adjustment (normal original mode), perform this procedure. If the CCD gamma adjustment (normal original mode) is not performed, there is no need to perform this procedure.

When the developer counter is cleared (SIM 24-5) and the OPC drum counter is cleared (SIM 24-7), the image density correction (process correction) is automatically performed.


START
Copy color balance density check
(Check in the Text/Photo mode.) (AR-C150)
(Check in the Text/Printed photo mode.) (AR-C160/C250)
(Test chart UKOG-0162FCZZ/UKOG-0283FCZZ is used.)
Is the copy color balance/ density adjustment required ?
YES
NO
Is the CCD replaced or the scanner (reading) section cleaned ?
YES
NO
Perform ADJ1 CCD gamma adjustment. SIM 63-03 (Normal document mode)
Set the SIT chart (UKOG-0280FCZZ) on the original table.
Enter the SIM 63-03 mode and press the EXECUTE key.
Perform ADJ2 copy color balance/density auto adjustment. (SIM 46-24)
Enter the SIM 46-24 mode and select C:A3 (11 × 17) paper. (Auto selection)
Press the EXECUTE key. (The adjustment pattern 1 is printed.)
Set the adjustment pattern 1 on the original table, select the SERVICE mode or the FACTORY mode, and press the EXECUTE key. (Auto adjustment step 1)
Press the REPEAT key.
Press the EXECUTE key. (Adjustment pattern 2 is printed.)
Set the adjustment pattern 2 on the original table, and press the EXECUTE key. (Auto adjustment step 2)
Press the OK key. (The initial setup of half tone image correction is automatically performed.)
Cancel SIM 46-24.
In the fine adjustment, the copy color balance and the density are in the standard level.
NO
YES
Are the color balance and the density in the specified level ?
NO
YES
Process correction is forcibly performed. (SIM 44-6)
Perform the manual adjustment of ADJ3 copy color balance, density adjustment. (SIM 46-21)
Perform the initial setup of half tone image correction. (SIM 44-21)
Execute the half tone image correction. (Forcible execution) (SIM 44-26)
The number of times is limited to 3 times
Check the copy color balance and the density. (Check in the Text/Photo mode.) (AR-C150) (Check in the Text/Printed photo mode.) (AR-C160/C250) (Use the test chart UKOG-0283FCZZ.)
Are the copy color balance and the density in the satisfactory level ?
NO
YES
SET M1 Auto color balance adjustment service target is set. (SIM 63-7)
Enter the SIM 63-7 mode.
Press the SETUP key.
Set the color patch image (adjustment pattern) printed in the copy color balance/ density adjustment on the original table, and press the EXECUTE key.
Press the REPEAT key.
Press the EXECUTE key.
Press the OK key.
Cancel SIM 63-7.
Perform the initial setup of half tone image correction. (SIM 44-21)
Execute the half tone image correction. (Forcible execution) (SIM 44-26)
The number of times is limited to 3 times
Check the copy color balance and the density. (Check in the Text/Photo mode.) (AR-C150) (Check in the Text/Printed photo mode.) (AR-C160/C250) (Use the test chart UKOG-0283FCZZ.)
Are the copy color balance and the density in the specified level ?
NO
YES
Is the color balance/ density adjustment performed for each copy mode ? (Does the user request that ?)
YES
NO
Perform the copy density adjustment in the low density section for ADJ4 all the copy modes. (SIM 46-10 –19)
Perform ADJ 1A CCD gamma adjustment (copy document mode). (SIM 63-9)
Make a copy of the SIT chart (UKOG-0280FCZZ) in the Text/Printed Photo mode.
Set the copy of the SIT chart on the document table.
Enter the SIM 63-9 mode, and press the [EXECUTE] key.
<AR-C160/C250>
END

Copy color balance and density check

Check the color balance and the density by making copies of Sharp gray chart and the serviceman chart.

a. Note for the copy color balance check

To check the copy color balance and the density, use Sharp gray chart and the serviceman chart and set the copy density in the Text/Printed Photo mode (AR-C160/C250) Text/Photo mode (AR-C150) to Manual 3 and make a copy in the color mode and in the black and-white mode. At that time, the color balance adjustment of the user program must be set to the default (center).

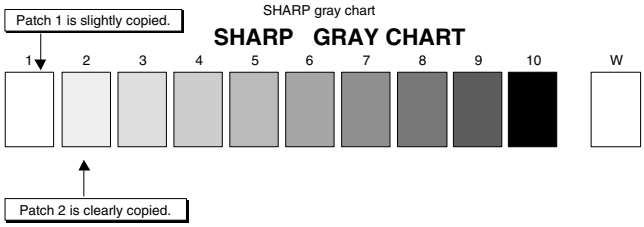
Be sure to use the specified paper for color.

[Sharp gray chart]

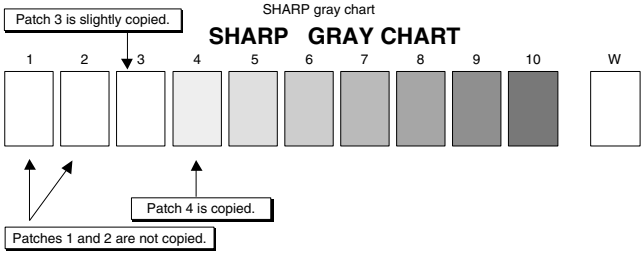
The copy image density of Sharp gray chart must be as follows:

NOTE: Use the color test chart (UKOG-0283FCZZ) to check the color balance.

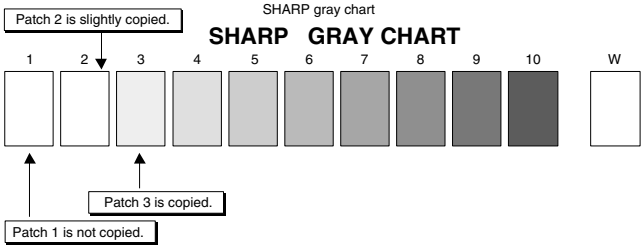
(Color copy) <AR-C150/C250/C160>



(Black-and-white copy) <AR-C150>


Patch 3 is slightly copied.
SHARP gray chart
SHARP GRAY CHART
1 2 3 4 5 6 7 8 9 10 W
Patch 4 is copied.
Patches 1 and 2 are not copied.

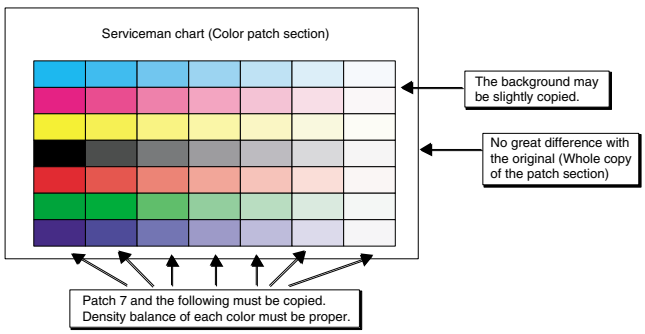
<AR-C250/C160>



[Serviceman chart (UKOG-0283FCZZ)]

Check the color balance of Serviceman chart copy is as shown below.

(Color copy) <AR-C150/C160/C250>


Serviceman chart (Color patch section)
The background may be slightly copied.
No great difference with the original (Whole copy of the patch section)
Patch 7 and the following must be copied.
Density balance of each color must be proper.

ADJ 1 CCD gamma adjustment (CCD calibration) (Normal document mode) (AR-C150/C160/C250)

This adjustment must be performed in the following cases:

- When the CCD unit is replaced.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.
- When replacing a part in the scanner (reading) section or when cleaning.

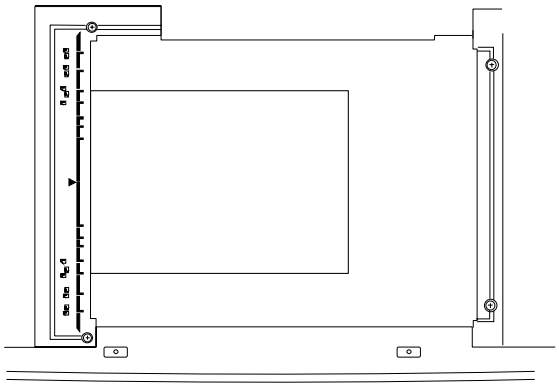
When the CCD unit is replaced, be sure to perform this adjustment.

(1) Precautions for adjustment

1) Check that the table glass and No. 1, 2, 3 mirrors and lenses are free from dust and dirt. (If there is dust and dirt, clean with alcohol.)
2) Check that there is no dirt or scratch on BK1 and BK2 patches of SIT chart (UKOG-0280FCZZ).
   If there is dirt, clean with alcohol.
   If there is scratch, replace the chart with new one.

(2) Adjustment procedures

1) Set the SIT chart (UKOG-0280FCZZ) to the left edge of the original table, and fit the center of SIT chart with the center of the glass holder.



When SIT chart is not available, execute SIM 63-5 to set the CCD gamma to the default. This method, however, provides a lower adjustment accuracy than the method by using SIT chart.

NOTE: Check that the SIT chart (UKOG-0280FCZZ) is closely placed on the original table.

2) With the SIT chart fixed, close the original cover.
3) Enter the SIM 63-03 mode, and press the [EXECUTE] key.
   The automatic adjustment is started. During the automatic adjustment, the [EXECUTE] key is highlighted. When the adjustment is completed, the key returns to the normal display.

NOTE: The SIT chart (UKOG-0280FCZZ) is affected by light (especially by ultraviolet rays) and temperature and humidity. Put it in a bag (clear file, etc.) and store in a dark place.

ADJ 2 Copy color balance adjustment (Auto)

This adjustment must be performed in the following cases:

- When a consumable part (developer, OPC drum, the transfer belt) is replaced.
- When the CCD unit is replaced.
- When a U2 trouble occurs.
- When the ICU main PWB is replaced.
- When the EEPROM of the ICU main PWB is replaced.

a. Outline

The color balance adjustment (auto adjustment) is the automatic adjustment of cyan, magenta, yellow, and black copy density with SIM 46-24.

(There are following two modes of auto color balance adjustment.)

1) Auto color balance adjustment by the serviceman (with SIM 46-24)
2) Auto color balance adjustment by the user (with the user program) (The color balance target becomes the service target.)

The auto color balance adjustment by the user is provided in order to reduce the number of service calls.
If the copy color balance is shifted by some reason, the user performs the color balance adjustment to correct it.
If, however, there is a basic problem in the machine, or if the machine environment is changed largely, this function does not serve as an effective means.
While the automatic color balance adjustment by the serviceman allows adjustment even when the machine environment is changed largely, providing normal color balance. If there is a basic problem in the machine, repair it and adjust to provide normal color balance.
The above points must be fully understood for proper operation.

When this adjustment is performed, the color balance adjustment of all the copy modes are changed.
(However, the color balance adjustment level of the user program is not changed.)

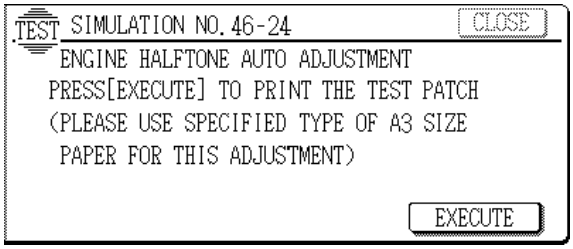
b. Note for performing the color balance adjustment (Auto adjustment)

1) The print engine section must be properly adjusted. (ADJ M1 – M16)
2) CCD gamma adjustment must be properly adjusted. (ADJ M17/ADJ 1)
3) When setting the color patch image (adjustment pattern) paper on the original table, place 5 sheets of white paper on the color patch image paper.
4) Be sure to use the specified color paper.

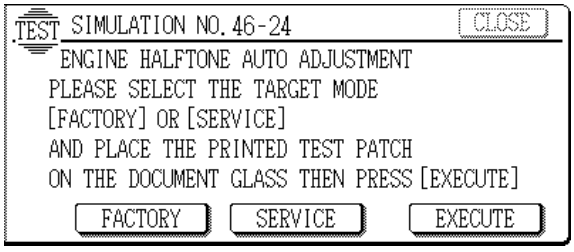
c. Adjustment procedure

(Auto color balance adjustment by the serviceman)

1) Enter the SIM 46-24 mode.



2) Select A3 or 11 × 17 paper (auto select) and press the EXECUTE key.
   The color patch image (adjustment pattern) is printed.
3) Set the color patch image (adjustment pattern) printed in procedure 2) on the original table so that the dark density side of the color patch image comes to the left side. Place 5 sheets of white paper on the color patch image (adjustment pattern) paper.
4) Press the SERVICE key on the operation panel and press the EXECUTE key.
   The copy color balance adjustment (step 1) is automatically performed, and the color balance check patch image is printed. Wait for a while until the operation menu of procedure 5) is displayed.



NOTE: (Descriptions on the factory and the service key button in the color balance automatic adjustment menu)

There are two kinds of gamma targets for the color balance automatic adjustment: factory and service. The factory key button and the service key button are used to select between them.

Factory target gamma: Standard color balance (Fixed)

Service target gamma: Color balance can be customized according to the user request. (Variable)

When shipping from the factory, the service target gamma data are same as the factory target gamma data.

Both are set to the standard color balance gamma.

In the service target, a customized color balance can be registered with SIM 63-7. In the factory target, it cannot be changed.

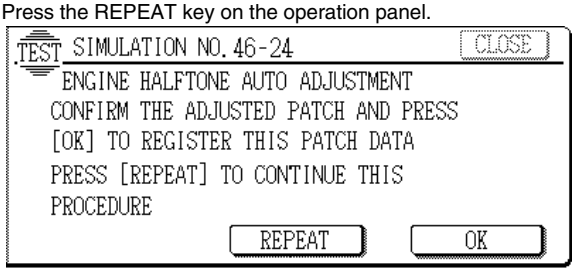
Therefore, incorrect service target gamma data may have been registered by a third party after shipping from the factory.

If the service target gamma data are incorrect, the color balance adjustment cannot be performed properly. In this case, select the factory target gamma.

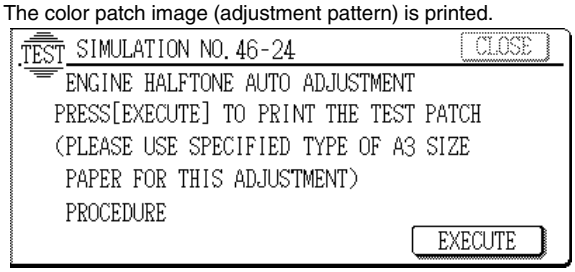
When, however, the user requests to customize the color balance and the service target gamma data are incorrect, perform the color balance adjustment (manual) with ADJ M17/ADJ 3.

After that, use the pattern printed with the color balance adjustment (Manual) (ADJ M17/ADJ 3) to register the service target gamma data with SIM 63-7. This procedure will revise the service target gamma.

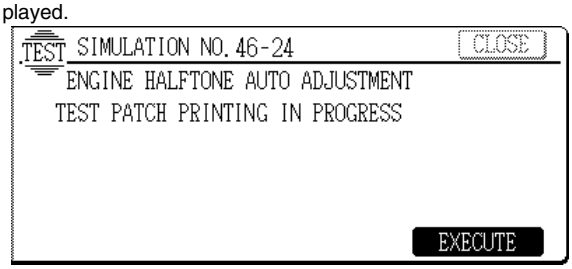
5) Press the REPEAT key on the operation panel.



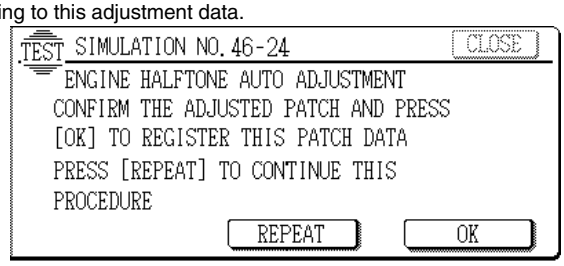
6) Press the EXECUTE key.
   The color patch image (adjustment pattern) is printed.



7) Set the color patch image (adjustment pattern) printed in procedure 6) on the original table so that the darker density side comes to the left side. Place 5 sheets of white paper on the color patch image (adjustment pattern) paper.
8) Press the EXECUTE key.
   The copy color balance adjustment (step 2) is automatically performed, and the color balance check patch image is printed.
   Wait for a while until the operation menu of procedure 9) is displayed.



9) Press the OK key on the operation panel.
The initial setup of half tone image correction is performed according to this adjustment data.



NOTE: When OK key is pressed, initial setup of half-tone image correction is started. During this operation, "Copy Quality is being adjusted" is displayed. It takes several minutes to complete this operation.

After completion of this operation, "Please quit this mode" is displayed.

Do not cancel the simulation until "Please quit this mode" is displayed.

10) Check that the color balance check patch image printed at last is within the specified range shown below.

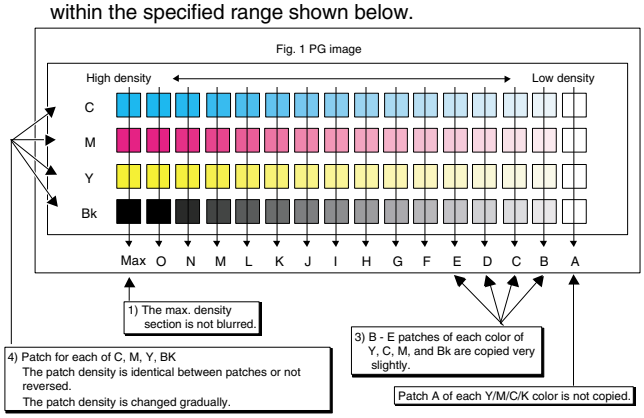


Fig. 1 PG image
High density
Low density
C
M
Y
Bk
Max O N M L K J I H G F E D C B A
1) The max. density section is not blurred.
3) B - E patches of each color of Y, C, M, and Bk are copied very slightly.
4) Patch for each of C, M, Y, BK
The patch density is identical between patches or not reversed.
The patch density is changed gradually.
Patch A of each Y/M/C/K color is not copied.

The print density should vary gradually from the lower density to the higher density without reversion of changing direction.

The density level of each color should be almost the same.

It is acceptable for patch B not to be copied.

Patch A is not copied.

Use SIM 46-21 to print the color balance adjustment sheet and compare each process (CMY) black patch color balance and the black patch. This allows a correct check on the color balance adjustment result.

If the color balance of each process (CMY) black patch in A - 0 is near the black patch referring to the patch patch, it is judged that the color balance has been correctly adjusted.

If the above conditions are not satisfied or the color balance is not satisfactory, repeat the adjustment procedures from Step 4).

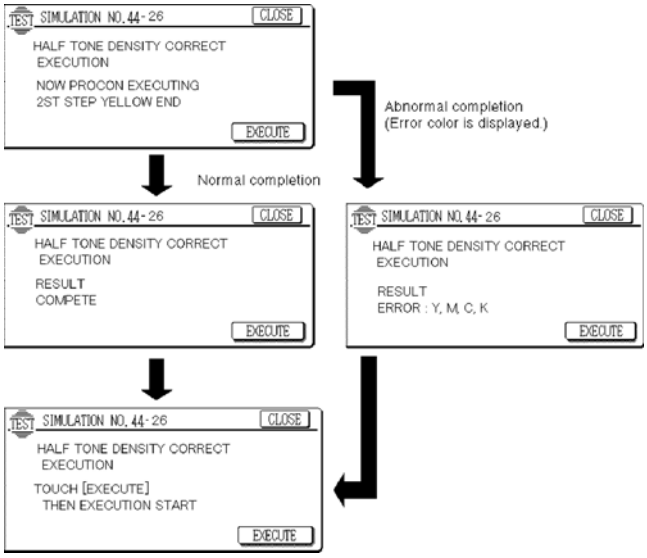
In this case, select the factory target gamma instead of the service target gamma for adjustment.

As a result, the color balance is not customized according to the user's request. However the machine is at least adjusted to the standard color balance.

If, however, the user requests to customize the color balance instead of using the standard color balance and the color balance is in a satisfactory level, go to Step 11).

If the color balance is not satisfactory, perform the manual color balance adjustment (ADJ M17/ADJ 3).

11) Execute the half tone image correction. (Forcible execution) (SIM 44-26)



When EXECUTE key is pressed, it is highlighted and the operation is started. It takes several minutes to complete the operation. When the operation is completed, the screen returns to the original state.

After completion of the operation, cancel the simulation.

12) Use the test chart UKOG-0283FCZZ and check the copy color balance and the density in Text/Photo mode. (Refer to the section of the copy color balance and the density.)

If the copy color balance and the density are not in the specified level, perform the following procedures.

13) Perform initial setup of half tone image correction. (SIM 44-21)

14) Perform half tone image correction. (Forcible execution) (SIM 44-26)

15) Use the test chart UKOG-0283FCZZ and check the copy color balance and the density in Text/Photo mode (AR-C150) Text/Printed photo mode (AR-C250/C160). (Refer to the section of the copy color balance and the density.)

Repeat procedures 13) –15) until the specified level is obtained.

However, repetition is limited to three times.

If repetition of the above procedures does not set the copy color balance and the density to the specified level, there may be some other reason.

Investigate the reason and repair or fix the problem, then perform all the procedures of print quality adjustment from the beginning.

If the above conditions are not satisfied, perform the manual adjustment (SIM 46-21) (ADJ M17/ADJ 3).

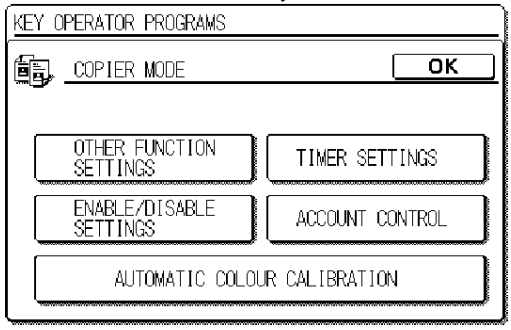
(Auto color calibration by the user (Auto color balance adjustment))

NOTE: This adjustment is based on the service target color balance set with SIM 63-7 or 63-8. If, therefore, the above simulation is not completed normally, this adjustment will not be completed normally.

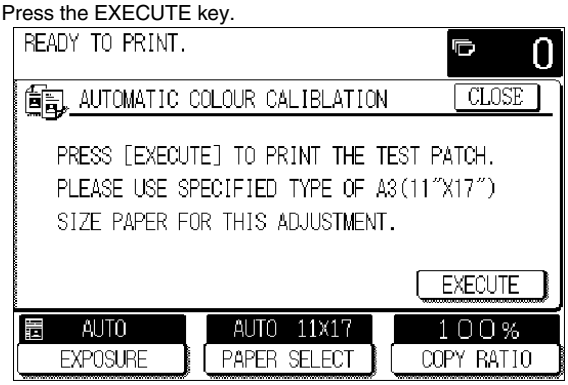
1) Enter the user program mode.

2) Enter the copy mode.

3) Press the auto color calibration key.



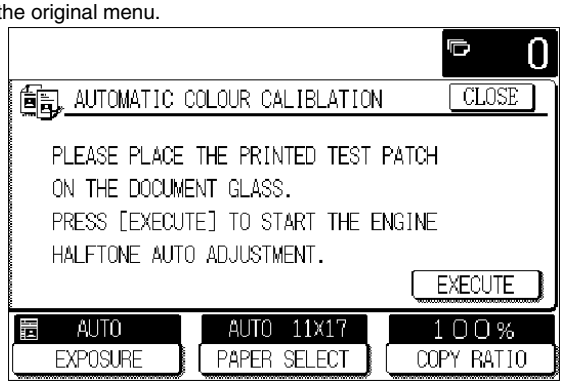
4) Press the EXECUTE key.



The color patch image (adjustment pattern) is printed.

5) Set the color patch image (adjustment pattern) printed in procedure 4) on the original table so that the darker density side comes to the left side. Place 5 sheets of white paper on the color patch image (adjustment pattern) paper.

6) Press the EXECUTE key.
The copy color balance adjustment (step 2) is automatically performed. After completion of the adjustment, the display returns to the original menu.



ADJ 3 Copy color balance adjustment (Manual)

This adjustment must be performed in the following cases:

- When a consumable part (developer, OPC drum, the transfer belt) is replaced.
- When the CCD unit is replaced.
- When the scanner (reading) section is cleaned.
- When a U2 trouble occurs.
- When the ICU main PWB is replaced.
- When the EEPROM of the ICU main PWB is replaced.

The color balance adjustment (Manual) is used to manually adjust each color copy density (C, Y, M, K) (15 points for each color) when the result of the previous automatic adjustment is unsatisfactory or when a fine adjustment is required, or when the user requests to change the color balance.

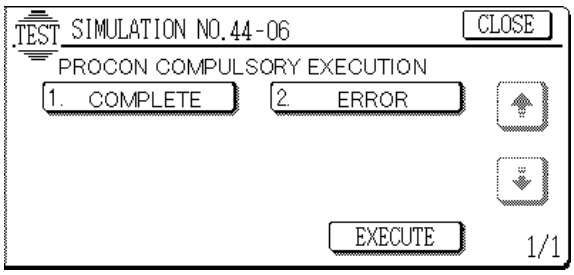
a. Note for the adjustment

This adjustment is performed only for the color patch whose result of the previous automatic adjustment is unsatisfactory.

If the color balance is out of the normal conditions, execute SIM 46-24 to make the color balance adjustment (Manual) and then execute this adjustment. This sequence leads to a better work efficiency.

b. Adjustment procedures

* Before executing the copy color balance adjustment (Manual), perform SIM 44-6 to make a compulsory process correction, updating the developing bias voltage and the main charger voltage to the latest levels.



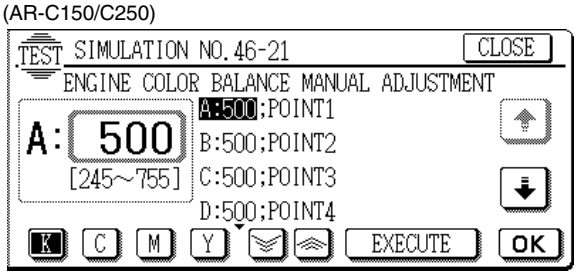
When EXECUTE key is pressed, the operation is started.

It takes several minutes to complete the operation. When the operation is completed, "COMPLETE" is highlighted.

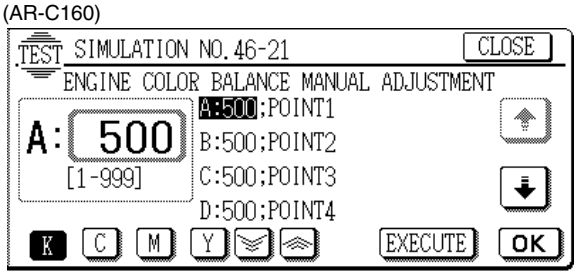
After completion of the operation, cancel the simulation.

1) Enter the SIM 46-21 mode.

(AR-C150/C250)



(AR-C160)



2) Select PAPER SEL with the scroll key and select A3 (11 × 17) paper.
Enter the set value corresponding to the paper feed section with A3 (11 × 17) paper in it, and press the OK key.

3) Press the [EXECUTE] key.
The color balance adjustment pattern is printed.

4) Check that the printed pattern is in the following specification or in the desired color balance.
If not, perform the following procedures.

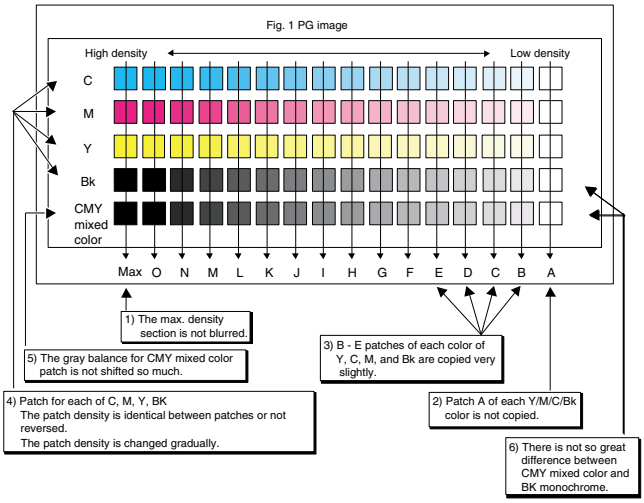


Fig. 1 PG image
High density
Low density
C
M
Y
Bk
CMY mixed color
Max O N M L K J I H G F E D C B A
1) The max. density section is not blurred.
2) Patch A of each Y/M/C/Bk color is not copied.
3) B - E patches of each color of Y, C, M, and Bk are copied very slightly.
4) Patch for each of C, M, Y, BK
The patch density is identical between patches or not reversed.
The patch density is changed gradually.
5) The gray balance for CMY mixed color patch is not shifted so much.
6) There is not so great difference between CMY mixed color and BK monochrome.

The print density should vary gradually from the lower density to the higher density without reversion of changing direction.

The density level of each color should be almost the same.

It is acceptable for patch B not to be copied.

Patch A is not copied.

5) Select the color to be adjusted and select the adjustment point with the scroll key.
6) Enter the adjustment value with the 10-key and press the OK key.
   The adjustment value can be selected in the range of 245 – 755 (1 – 999). When SIM 46-24 is used to perform the automatic color balance and the density adjustment, all the set values of this simulation are set to 500.
   To increase the density, increase the adjustment value. To decrease the density, decease the adjustment value.

Repeat procedures 3) – 6) until the condition of procedure 4) is satisfied.

When the overall density is low or patch A is copied with a high density, use the arrow keys to change all the adjustment values of A - 0 simultaneously and uniformly.

Then perform the patch density adjustment. This allows to make an efficient adjustment.

By using the black patch as the reference, adjust so that the color balance of the black patch of each process (CMY) in A - 0 becomes virtually same as the black patch.

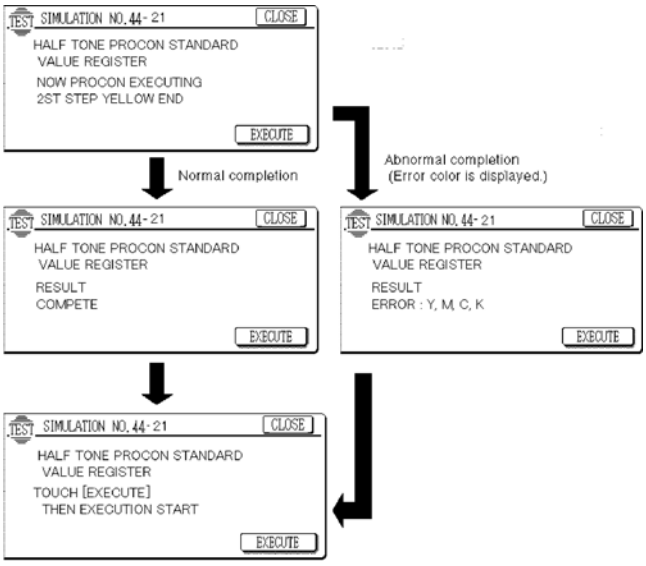
In this simulation mode, press CLEAR key to return to the normal copy mode and make actual copies of the service chart and user documents. Check the adjustment result.

7) Execute SIM 44-21.
   The initial setup of half tone image correction is performed.

This procedure is to store the copy color balance adjustment data as the reference data for half-tone correction.

This procedure should be always executed immediately after completion of ADJ M17/ADJ 3 (Color balance adjustment (Manual)) with SIM 46-21.

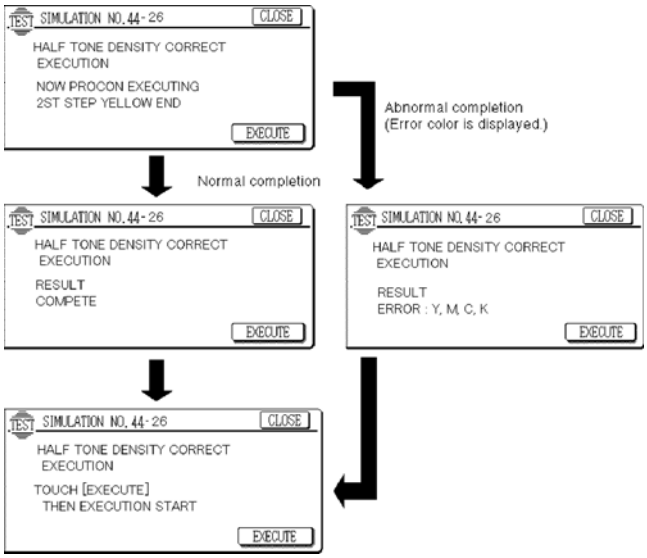
When ADJ M17/ADJ2 (Color balance adjustment (Auto)) is performed with SIM 46-24, this procedure is automatically performed.



When EXECUTE key is pressed, it is highlighted and the operation is started.

It takes several minutes to complete the operation. When the operation is completed, the screen returns to the original state. After completion of the operation, cancel the simulation.

8) Execute the half tone image correction. (Forcible execution) (SIM 44-26)



When EXECUTE key is pressed, it is highlighted and the operation is started. It takes several minutes to complete the operation. When the operation is completed, the screen returns to the original state.

After completion of the operation, cancel the simulation.

9) Use the test chart UKOG-0283FCZZ and check the copy color balance and the density in the Text/Photo mode (AR-C150) Text/Printed photo mode (AR-C250). (Refer to the section of the copy color balance and the density check.)

If the copy color balance and the density are not in the specified level, repeat procedures 7) through 9) until they are in the specified level.

However, repetition is limited to three times. If repetition of the above procedures does not set the copy color balance and the density to the specified level, there may be some other reason. Investigate the reason and repair or fix the problem, then perform all the procedures of print quality adjustment from the beginning.

10) The service target of the auto color balance adjustment is set. (AR-C150/C160/C250)

(Auto color balance adjustment service target gamma setup)

a. Outline

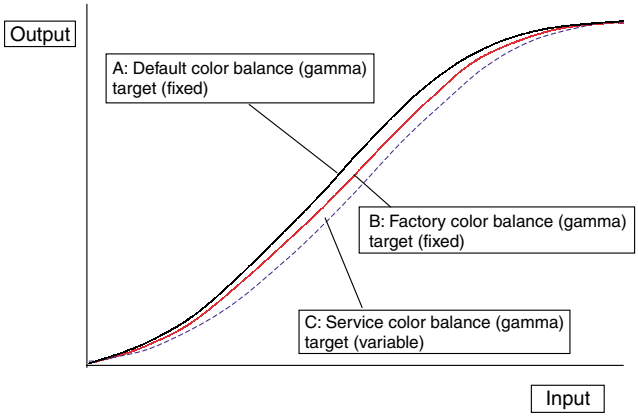
Auto color balance adjustment is performed with a certain color balance (gamma) as a target. There are following two kinds of targets:

Only the service target among them allows optional setup of a color balance (gamma) target.

This setup must be performed in the following cases.

- When the user requests to customize the color balance.
- When the service target gamma is found to be incorrect.
- When the copy color balance and the density adjustment is manually performed. (SIM 46-21)
- When a U2 trouble occurs.
- When the ICU main PWB is replaced.
- When the EEPROM on the ICU main PWB is replaced.

Kinds of color balance (gamma) target


Output
A: Default color balance (gamma) target (fixed)
B: Factory color balance (gamma) target (fixed)
C: Service color balance (gamma) target (variable)
Input

NOTE: The above figure is for a brief description, and does not show the actual state.

Kinds		Descriptions
A	Default color balance (gamma) target (fixed)	This is the average, standard color balance (gamma) target determined by the machine design. This color balance (gamma) target is identical in all the machines, without consideration for individuality of machines. When SIM 63-8 is executed, the service color balance (gamma) target becomes the same as this target. In SIM 46-24 (46-22) menu, this target is not displayed.
B	factory color balance (gamma) target (fixed)	This is the standard color balance (gamma) target which was registered (set) in the factory, and cannot be changed in the market. This color balance (gamma) target is set depending on individuality of each machine to obtain the standard color balance. It, therefore, differs slightly in different machines. When the service target falls into an abnormal state by some reasons, this target can be used instead of it. When shipping, this target is the same as the service color balance (gamma) target.
C	Service color balance (gamma) target (variable)	This is obtained by registering (setting) with SIM 63-7 the adjustment pattern of the color balance (gamma) which was adjusted with SIM 46-21. This color balance (gamma) target is set depending on individuality of each machine to obtain the standard color balance. It, therefore, differs slightly in different machines. However, an optional color balance (gamma) target can be set according to a user's request. When shipping, this target is the same as the factory color balance (gamma) target. When SIM 63-8 is executed, the service color balance (gamma) target becomes the same as the default color balance (gamma) target.

(Meaning of the service target gamma data and purpose of registration)

First, execute SIM 46-21 to adjust the color balance (Manual) according to the user request or to the standard color balance.

Then use the adjustment pattern printed in the above procedure to register the service target gamma data with SIM 63-7.

This will revise the service target gamma data.

It is recommendable to record the adjustment pattern printed in the above procedure. By using the adjustment pattern, the same color balance target can be registered in another machine. It is also useful to register the service target gamma data again.

Be careful, however, not to fold the pattern or avoid discoloration and dirt.

Basically the service target gamma data must be registered immediately after completion of the color balance adjustment (Manual) with SIM 46-21.

If a considerable time has passed after completion of the color balance adjustment (Manual) with SIM 46-21, the color balance of the adjustment pattern after a considerable time differs from that before a considerable time. Do not use such an adjustment pattern.

Whether the service target gamma data are correct or not can be determined by the following.

When the adjustment result of SIM 46-24 color balance adjustment (Auto) is abnormal or unsatisfactory:

In this case, the service target gamma data may be incorrect.

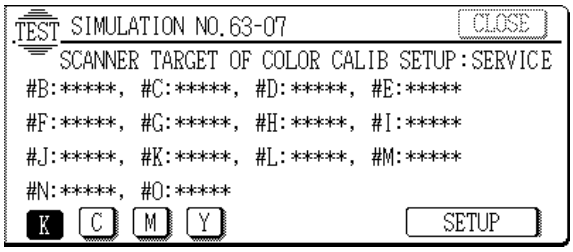
The possible cause is incorrectness or abnormality of the color balance adjustment pattern used when registering the service target gamma data of the color balance adjustment (Auto) with SIM 63-7.

The color balance adjustment pattern is printed after the color balance adjustment (Manual) with SIM 46-21. The possible cause lies in this procedure.

b. Setup procedure

(Procedure to set the an optional color balance (gamma) as the service target)

1) Two sheets of color patch image (adjustment pattern) are outputted in the copy color balance adjustment (manual adjustment) (SIM 46-21). (ADJ M17/ADJ 3)
   At that time, when the color balance is shifted from the standard, an adjustment is required. If not, there is no need to adjust.
   If an optional color balance is required according to the user's request, an adjustment is required.
2) Enter the SIM 63-7 mode.

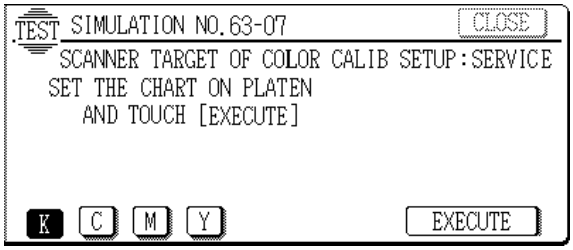


3) Press the SETUP key.
4) Set the color patch image (adjustment pattern) paper properly adjusted and printed in the copy color balance adjustment (manual adjustment) (SIM 46-21) (ADJ M17/ADJ 3) on the original table.
   The color patch image (adjustment pattern) printed by SIM 64-2 may be used. In this case, check that the printed image is proper. (The other color patch images (adjustment patterns) printed by another machine may be used.)
   Set the paper on the original table so that the darker density side comes on the left side. Then place 5 sheets of white paper on the color patch image (adjustment pattern).

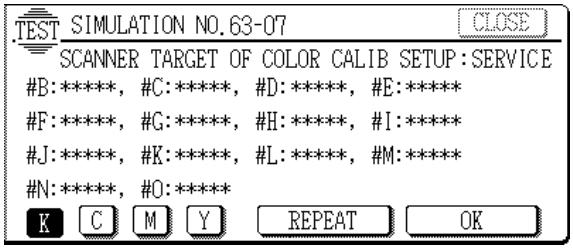
If it is difficult to adjust the color balance adjustment (Manual) with SIM 46-21 satisfactorily, do not register the service target gamma data with SIM 63-7.

5) Press the EXECUTE key.

The color patch image (adjustment pattern) is read.



6) Press the REPEAT key and set the second color patch image (adjustment pattern) on the original table.



The color balance (gamma) target setup level of each color can be checked with K/C/M/Y keys.

The setup level values must be in the ascending sequence of B - 0. If there is no change or the sequence is reversed, it is judged as an abnormality.

In case of an abnormality, resolve the problem and check again.

7) Press the OK key.

The color balance (gamma) corresponding to the color patch image (adjustment pattern) printed in the copy color balance adjustment (manual adjustment) (ADJ M17/ADJ 3) is set as the service target.

(Procedure to set the default (standard) color balance (gamma) as the service target)

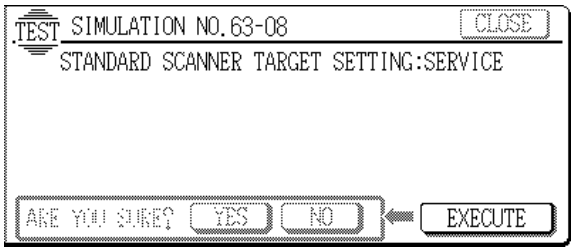
This procedure is required in the following case:

* When the service target gamma cannot be set normally.

When SIM 63-8 is executed, the service target gamma data are changed to the default target gamma data determined by the machine design.

When the color balance adjustment (Auto) is executed with the service target gamma data set to the default target gamma, a virtually satisfactory result will be obtained.

1) Enter the SIM 63-8 mode.



2) Press the EXECUTE key.

3) Press the YES key.

The service target becomes the same as the default (standard) target.

ADJ 4 Low-density area density adjustment

NOTE for SIM 46-1 and 46-2:

The major purpose of these simulations is to delete background copy simply.

SIM 46-1 and 46-2 are used to adjust the copy density in the low-density area, and they do not affect the density in the high-density area.

Note that the tone and the color phase may be changed greatly if the set value is changed greatly.

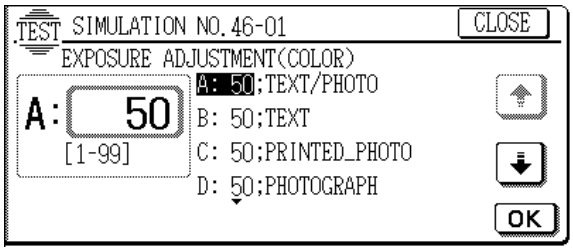
When an extreme background copy is produced, use ADJ M17/ADJ 3 Color balance adjustment (Manual) (SIM 46-21) instead of this procedure.

The adjustment result of SIM 46-1 is reflected evenly to all the color copy modes.

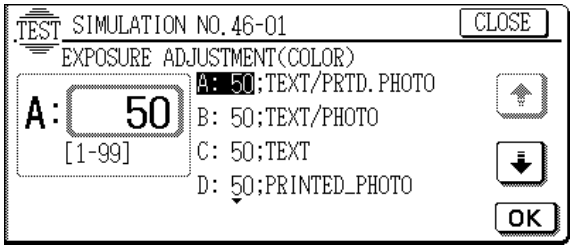
The adjustment result of SIM 46-2 is reflected evenly to all the monochrome copy modes.

1) Enter the SIM 46-1 or 46-2 mode.

(AR-C150)



(AR-C160/C250)



2) Select the copy mode to be adjusted with the scroll key.

3) Enter the adjustment value with the 10-key, and press the [OK] key.

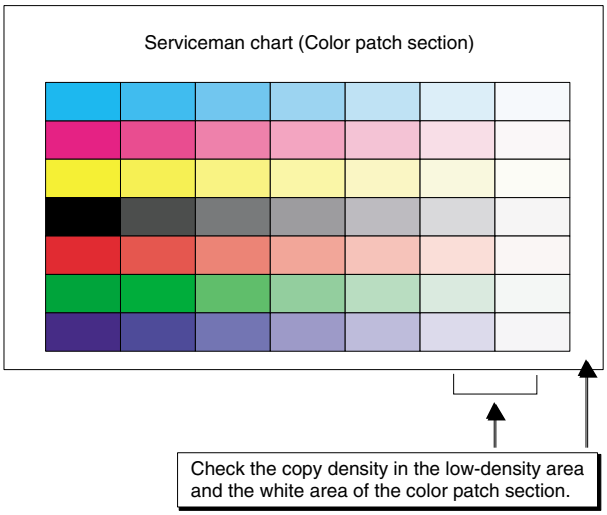
To increase the density in the low-density area, set a greater adjustment value. To reduce the density, set a lower adjustment value. The adjustment in the low-density area can be adjusted individually for each copy mode.

The greater the set value is, the greater the density in the low-density area is, and vice versa. (The density in the high-density area is not changed.)

4) Cancel the simulation mode, and make a copy in the normal mode to check the copy density in the white area and the low-density area by using the test chart (UKOG-0283FCZZ).

In this simulation mode, press CLOSE key to jump to the normal copy mode and make actual copies of the service chart and user documents. In this manner, the adjustment result can be checked.

The adjustment can be performed also by switching between the simulation mode and the normal copy mode alternately and checking the adjustment result with actual copies.


Serviceman chart (Color patch section)
Check the copy density in the low-density area and the white area of the color patch section.

ADJ 5 Copy color balance adjustment (Copy mode)

This adjustment must be performed in the following cases:

- When a U2 trouble occurs.
- When the ICU main PWB is replaced.
- When the EEPROM of the ICU main PWB is replaced.

Used to adjust the gamma and the density in each copy mode individually. The adjustment in each copy mode is not required normally, but is performed when the user requests it.

1) Enter either of SIM 46-10, 46-19 modes. (Select the simulation according to the copy mode to be adjusted.)

AR-C250

<table>
<tr><th colspan="5" rowspan="3">Copy mode</th><th rowspan="3">Model</th><th colspan="6">Adjustment (Simulation)</th></tr>
<tr><th colspan="2">Color balance adjustment in each copy mode</th><th colspan="2">Overall color balance adjustment of all copy modes</th><th colspan="2">Low density level</th></tr>
<tr><th>Main</th><th>Sub</th><th>Main</th><th>Sub</th><th>Main</th><th>Sub</th></tr>
<tr><td rowspan="15">Color</td><td rowspan="3">Copy document mode</td><td>Text Printed Photo mode</td><td>Manual</td><td>AR-C250</td><td rowspan="30">46</td><td rowspan="3">10</td><td rowspan="30">46</td><td rowspan="30">21/20</td><td rowspan="30">46</td><td rowspan="15">1</td></tr>
<tr><td>Printed Photo mode</td><td>Manual</td><td>AR-C250</td></tr>
<tr><td>Text mode</td><td>Manual</td><td>AR-C250</td></tr>
<tr><td rowspan="12">Normal mode</td><td rowspan="2">Text mode</td><td>Manual</td><td rowspan="2">AR-C250</td><td>11</td></tr>
<tr><td>Auto</td><td rowspan="2">12</td></tr>
<tr><td rowspan="2">Text Printed Photo mode</td><td>Manual</td><td rowspan="2">AR-C250</td></tr>
<tr><td>Auto</td></tr>
<tr><td>Printed Photo mode</td><td>Manual</td><td>AR-C250</td></tr>
<tr><td>Photo mode</td><td>Manual</td><td>AR-C250</td><td rowspan="3">13</td></tr>
<tr><td rowspan="2">Text Photo mode</td><td>Manual</td><td rowspan="2">AR-C250</td></tr>
<tr><td>Auto</td></tr>
<tr><td>Map mode</td><td>Manual</td><td>AR-C250</td><td>14</td></tr>
<tr><td rowspan="15">Monochrome</td><td rowspan="3">Copy document mode</td><td>Text Printed Photo mode</td><td>Manual</td><td>AR-C250</td><td rowspan="3">15</td><td rowspan="15">2</td></tr>
<tr><td>Printed Photo mode</td><td>Manual</td><td>AR-C250</td></tr>
<tr><td>Text mode</td><td>Manual</td><td>AR-C250</td></tr>
<tr><td rowspan="12">Normal mode</td><td rowspan="2">Text mode</td><td>Manual</td><td rowspan="2">AR-C250</td><td rowspan="2">16</td></tr>
<tr><td>Auto</td></tr>
<tr><td rowspan="2">Text Printed Photo mode</td><td>Manual</td><td rowspan="2">AR-C250</td><td rowspan="3">17</td></tr>
<tr><td>Auto</td></tr>
<tr><td>Printed Photo mode</td><td>Manual</td><td>AR-C250</td></tr>
<tr><td>Photo mode</td><td>Manual</td><td>AR-C250</td><td rowspan="3">18</td></tr>
<tr><td rowspan="2">Text Photo mode</td><td>Manual</td><td rowspan="2">AR-C250</td></tr>
<tr><td>Auto</td></tr>
<tr><td>Map mode</td><td>Manual</td><td>AR-C250</td><td>19</td></tr>
</table>

AR-C160

Copy mode				Model	Adjustment (Simulation)					
					Color balance adjustment in each copy mode		Overall color balance adjustment of all copy modes		Low density level	
					Main	Sub	Main	Sub	Main	Sub
Color	Copy document mode	Text Printed Photo mode	Manual	AR-C160	46	10	46	21/20	46	1
		Printed Photo mode	Manual	AR-C160						
		Text mode	Manual	AR-C160						
	Normal mode	Text mode	Manual	AR-C160		11				
			Auto							
		Text Printed Photo mode	Manual	AR-C160		12				
			Auto							
		Printed Photo mode	Manual	AR-C160						
		Photo mode	Manual	AR-C160		13				
		Text Photo mode	Manual	AR-C160						
			Auto							
		Map mode	Manual	AR-C160		14				
	color enhancement mode	Text mode	Manual	AR-C160		11				
			Auto							
		Text Printed Photo mode	Manual	AR-C160		12				
			Auto							
		Printed Photo mode	Manual	AR-C160						
		Photo mode	Manual	AR-C160		13				
		Text Photo mode	Manual	AR-C160						
			Auto							
		Map mode	Manual	AR-C160		14				
Monochrome	Copy document mode	Text Printed Photo mode	Manual	AR-C160		15				2
		Printed Photo mode	Manual	AR-C160						
		Text mode	Manual	AR-C160						
	Normal mode	Text mode	Manual	AR-C160		16				
			Auto							
		Text Printed Photo mode	Manual	AR-C160		17				
			Auto							
		Printed Photo mode	Manual	AR-C160						
		Photo mode	Manual	AR-C160		18				
		Text Photo mode	Manual	AR-C160						
			Auto							
		Map mode	Manual	AR-C160		19				

* The copy color balance and the density in the color enhancement mode are automatically determined by the adjustment result of the color normal mode. The adjustment unique to this mode cannot be made.

AR-C100/C150

Copy mode			Model	Adjustment (Simulation)					
				Color balance adjustment in each copy mode		Overall color balance adjustment of all copy modes		Low density level	
				Main	Sub	Main	Sub	Main	Sub
Color	Text Photo mode	Manual	AR-C100/C150	46	10	46	21/20	46	1
		Auto							
	Text mode	Manual	AR-C150		11				
		Auto							
	Printed Photo mode	Manual	AR-C150		12				
	Photo mode	Manual	AR-C100/C150		13				
	Map mode	Manual	AR-C150		14				
Monochrome	Text Photo mode	Manual	AR-C150		15				2
		Auto							
	Text mode	Manual	AR-C150		16				
		Auto							
	Printed Photo mode	Manual	AR-C150		17				
	Photo mode	Manual	AR-C100/C150		18				
	Map mode	Manual	AR-C100/C150		19				

2) Select the color to be adjusted with the color select key, and select the adjustment point with the scroll key.

3) Enter the adjustment value with the 10-key, and press the OK key. The adjustment value can be selected in the range of 245 – 755 (AR-C160: 1 – 999). When the automatic color balance and the density are adjusted with SIM 46-24, all the set values of this simulation are set to 500.
To increase the density, increase the adjustment value. To decrease the density, decrease the adjustment value.

ADJ 1A CCD gamma adjustment (CCD calibration) (Copy document mode) (AR-C250/C160)

This adjustment is the CCD gamma adjustment (CCD calibration) for the copy document copy mode, and is different from the CCD gamma adjustment (CCD calibration) in the normal document copy mode (ADJ M17/ADJ 1). In the AR-C160/C250, there are above two kinds of the CCD gamma adjustment (CCD calibration), and both adjustments are required.

This adjustment is required in the following cases:

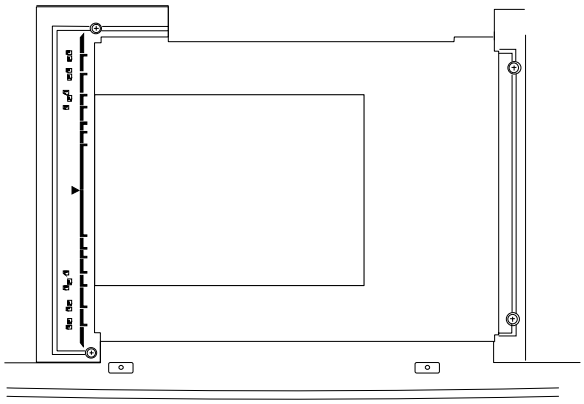
- After completion of the CCD gamma adjustment (CCD calibration) (Normal original copy mode) (ADJ M17/ADJ 1)

(1) Note before adjustment

* Check that the table glass, No. 1/2/3 mirrors, and the lens surface are free from dirt and dust.
(If dirt or dust is found, clean with alcohol.)
* Check that the patches of BK1 and BK2 of the SIT chart (UKOG-0280 FCZZ are free from dirt or dust.
If dirt or dust is found, clean with alcohol.
If any damage is found, replace with a new one.
* Since this adjustment is based on the normal document copy mode CCD gamma adjustment (CCD calibration) (ADJ M17/ADJ 1), the said adjustment must have been completed before execution of this adjustment.
The copy color balance must also have been adjusted properly.

(2) Adjustment procedure

1) Place the SIT chart (UKOG-0280FCZZ) on the left edge of the document table, and fit the center of the SIT chart with the center of the glass holder.

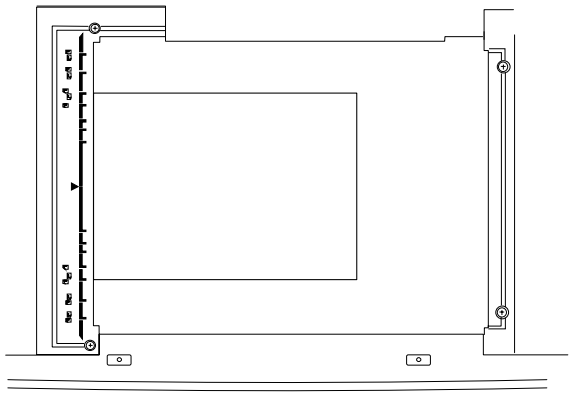


NOTE: Check that the SIT chart (UKOG-0280FCZZ) is in close contact with the document table.

2) Close the document cover without shifting the SIT chart (UKOG-0280FCZZ).

3) Make a copy in the Text/Printed Photo mode. (Be sure to use the specified copy paper.)

4) Set the copy made in procedure 3) on the document table so that the center of the copy paper comes to the center of the left edge of the document table.



5) Enter the SIM 63-09 mode and press the [EXECUTE] key.

The automatic adjustment is performed. During the adjustment, the [EXECUTE] key is highlighted. When the adjustment is completed, the [EXECUTE] key returns to the normal display.

6) Cancel the simulation mode.

NOTE: The SIT chart (UKOG-0280FCZZ) is affected by lights (especially ultra-violet rays) and temperature and humidity. Store it in a clear file (nylon file) in a dark place.

ADJ 6 Black toner component image gamma adjustment (Black character and black line reproduction adjustment) (AR-C250/C160) (Normally unnecessory to adjust.)

The gamma of black toner component images is changed to adjust the reproduction of the profile of the black character and line optionally. Especially the thickness of fine black character and line is changed.

Since the black toner component image quantity differs depending on the copy mode, be careful of the copy mode selection to check the adjustment result. Check in the Text/Printed Photo mode.

This adjustment is valid only in the following copy modes:

- Text copy mode
- Text Printed Photo copy mode
- Text Photo copy mode

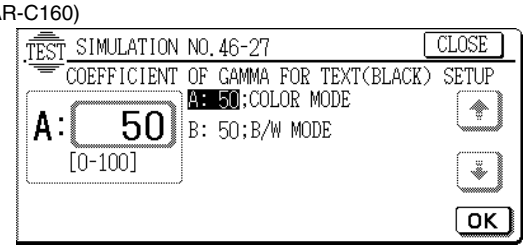
The black toner component ratio is greatest in the Text copy mode, and smallest in the Text Photo copy mode.

This adjustment is required in the following cases when the default was changed:

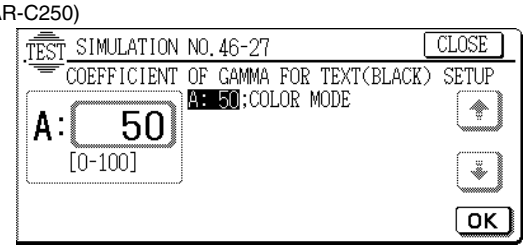
- When U2 trouble occurs.
- When the ICU MAIN PWB is replaced.
- When the EEPROM of the ICU MAIN PWB is replaced.

1) Enter the SIM 46-27 mode.

(AR-C160)



(AR-C250)



2) Enter the adjustment value with the 10-key.

The greater the adjustment value is, the greater the density is, and vice versa.
Normally set to the default (50).

3) Press the [OK] key.

4) Cancel the simulation, and make a copy in the Text/Printed Photo mode to check the reproduction of fine black character and line.

Use a document with black characters and lines on it for checking.

ADJ 7 Single color copy mode color balance and density adjustment (AR-C250/C160) (Normally unnecessory to adjust.)

This adjustment is used to adjust color balance and the density according to the user's demand.

The adjustment is made by setting the max. density level of Y, M and C in each color.

This adjustment is required in the following cases when the default was changed:

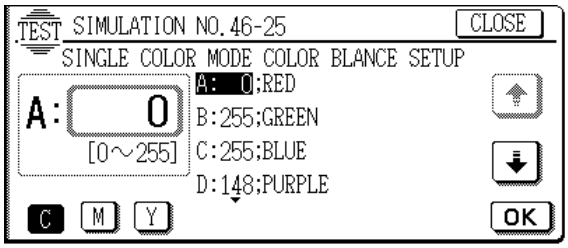
- When a consumable part (developer, photoconductor drum, transfer belt) is replaced.
- When the CCD unit is replaced.
- When the scanner (reading) section is cleaned.
- When U2 trouble occurs.
- When the ICU MAIN PWB is replaced.
- When the EEPROM of the ICU MAIN PWB is replaced.

a. Note for the adjustment

- This adjustment is not required in the normal state, but executed only when the user requests for.

b. Adjustment procedure

1) Enter the SIM 46-25 mode.



2) Select the color to be adjusted with the scroll key.

3) Select the color with the color key.

4) Enter the adjustment value of each toner color with the 10-key. (Default)

	Default		
	C	M	Y
RED	0	255	255
GREEN	255	0	255
BLUE	255	255	0
PURPLE	148	238	105
ORANGE	38	140	255
BROWN	131	255	229

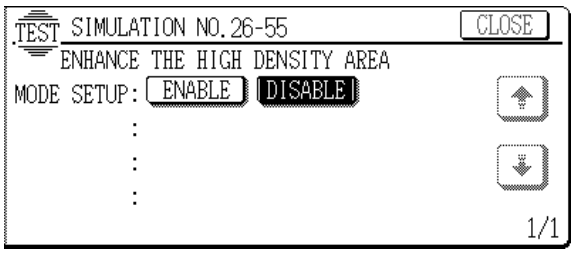
5) Cancel the simulation mode and make a copy in the single color copy mode to check.

ADJ 8 Setup of the gamma characteristic in the color copy mode (AR-C250/C160)

A. Outline

This setup is used to set the priority order between brightness and gradation in the color copy mode. The setup affects the gamma characteristic in the high-density area.

1) Enter the SIM 26-55 mode.



2) Press ENABLE or DISABLE key.

ENABLE: The contrast in the high-density area is increasing, and the gradation is slightly decreased. (Priority is given to brightness.)

DISABLE: Normal picture quality (Priority is given to gradation.)

ADJ 9 Fusing capability setting with heavy paper (in color copy) (AR-C150)

A. Outline

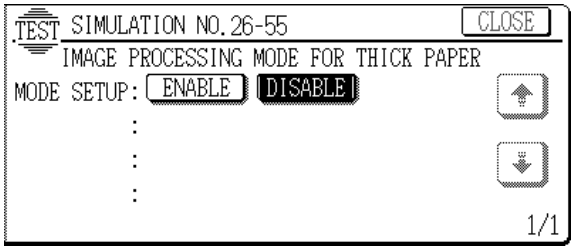
This setting is used to give priority to fusing capability over picture quality in the color copy mode with heavy paper. The quantity of black toner which forms images on the paper is reduced by image process to have better fusing capability.

B. Note

This setting is used only when poor fusing capability is resulted in the color copy mode with heavy paper.

When "ENABLE" (Priority of fusing capability) is selected, the color phase is shifted.

1) Enter the SIM 26-55 mode.



2) Select between ENABLE and DISABLE.

ENABLE: Priority of fusing capability (The quantity of black toner which forms images on paper is reduced to have better fusing capability, but the black concentration is slightly reduced and the color phase is shifted.) (K toner is reduced and reproduction of black is supplemented by Y/M/C toner.)

DISABLE: Normal mode (Normal image process)

ADJ 10 User auto color calibration (Copy color balance, auto density adjustment) enable setup

A. Outline

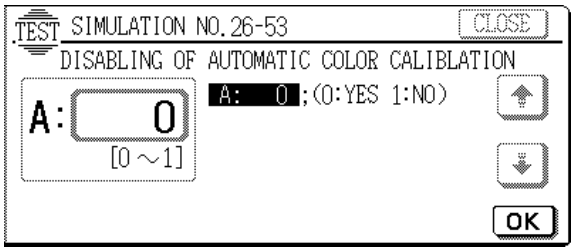
The user can perform the copy color balance and auto density adjustment in the user program mode.
SIIM 26-53 is used to Enable or Disable this operation.

NOTE: This setup is performed only when the user understands the copy color balance and the auto density adjustment and is capable of performing the operation.
Full explanations on the operating procedure, notes, and operations must be given to the user.

- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM on the PCU main PWB is replaced.

B. Setup procedure

1) Enter the SIM 26-53 mode.



2) Select Enable/Disable with the 10-key.
   Disabling = 0: YES
   Enabling = 1: NO
3) Press the OK key.

When "0: YES" (Disabling) is selected, the user auto color calibration (copy color balance, auto density adjustment) menu is not displayed in the user program mode.

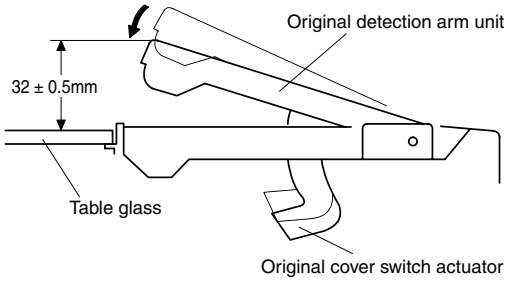
ADJ M18 Document size sensor adjustment

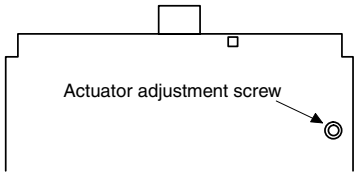
This adjustment must be performed in the following cases:

- When the original size sensor section is disassembled.
- When the original size sensor section is replaced.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

ADJ 1 Original size sensor detection point adjustment

1) Enter the SIM 41-1 mode.
   Gradually tilt the original detection arm unit. Loosen the original cover switch actuator adjustment screw so that the highlight display of OCSW is turned to the normal display when the height of the arm unit top from the table glass is 32 ± 0.5mm.
   Slide the actuator to adjust. (If the ON timing of the original cover switch is shifted, the original detection function may malfunction.)



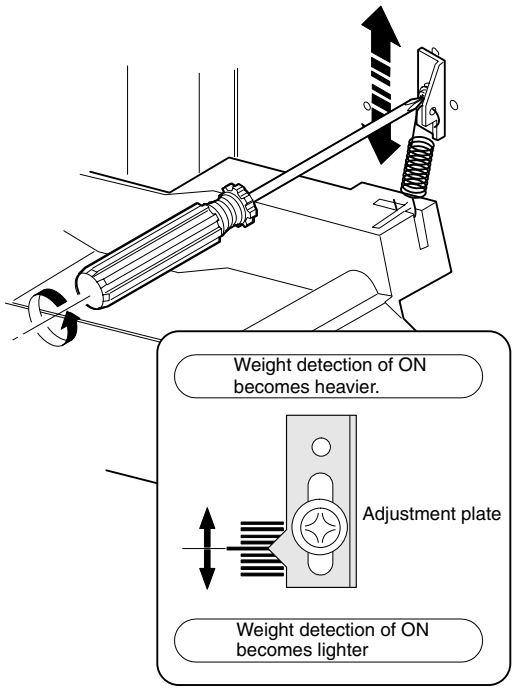


ADJ 2 Original size sensor sensitivity adjustment

1) Enter the SIM 41-2 mode.
2) Make the sensor adjustment without an original.
   With the original cover open and without an original on the original table, press the [EXECUTE] key.
3) Place A3 (11 × 17) document on the document table and press the [EXECUTE] key.

ADJ M19 Waste toner full detection level adjustment

Install the adjustment plate so that the projection of the plate comes to the center of the scribe line.

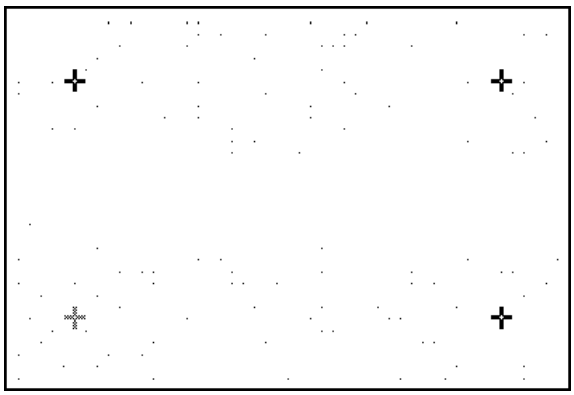


ADJ M20 Touch panel coordinates setting

This adjustment must be performed in the following cases:

- When the operation panel is replaced.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

1) Enter the SIM 65-1 mode.



2) Touch the four cross marks on the display.
   When the crosses are touched correctly, they turn gray. When all the four crosses are touched, the touch panel adjustment is completed and the display shows the simulation sub code entering screen.

If there is any abnormality, the first display is shown again.

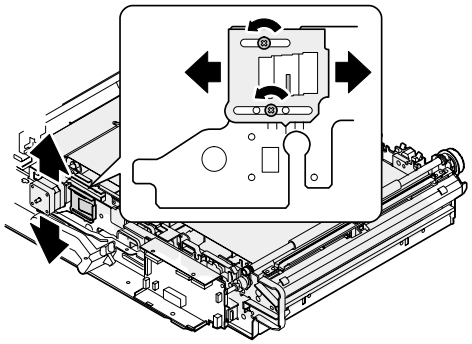
* When touching the crosses, never use a needle or a pin with a sharp point.

ADJ M21 Transfer belt level adjustment (Transfer belt traveling adjustment)

This adjustment must be performed in the following cases:

- When the transfer belt section is disassembled.

1) Make a copy of gray half tone on the whole surface, and check for a color balance difference between the front and the rear sides. Check that there is no difference in the color balance of the front side and the rear side.
2) If there is a color balance difference between the front and the rear sides, change the height of the level adjustment angle to adjust.



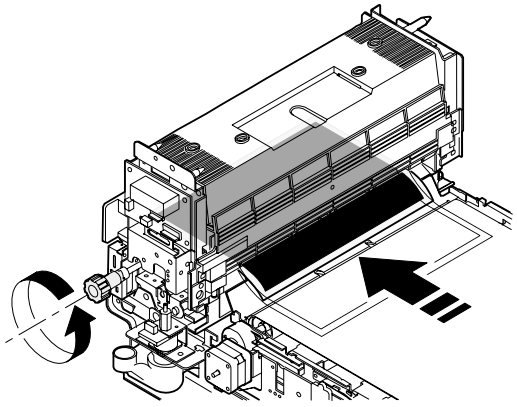
It is fixed at the center normally.

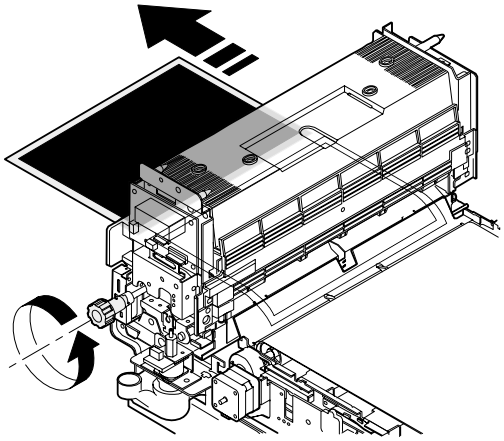
ADJ M22 Fusing pressure adjustment

This adjustment must be performed in the following cases:

- When the fusing section is disassembled.
- When a fusing trouble occurs.
- When wrinkles are generated on paper in the fusing section.

1) Select A4 (8.5 × 11) paper.
2) With the document cover open, press the start key of monochrome copy.
3) A copy of black background is made.
4) Pull out the transfer section.
5) Insert paper into the pre-transfer paper guide, and turn the fusing roller knob.

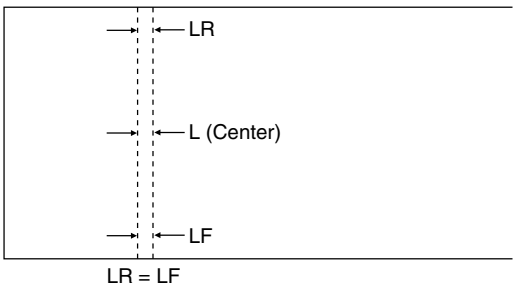




6) With the paper squeezed in the pre-transfer paper guide, wait for about 10sec.
7) Turn the fusing roller knob to remove the paper from the fusing section.
8) Measure the dimension (L) of the center section of the glittering line made by the fusing roller. Check that the dimension is in the specified range.
   Check that the pressure balance between the front and the rear frame sides is proper.

Value L

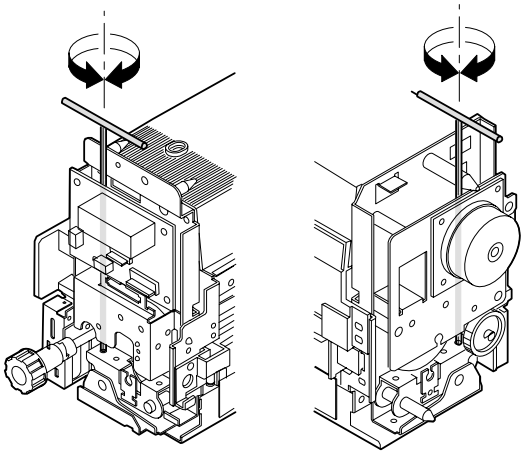
Model	Japan	Except Japan
AR-C100	5.5 – 6.0 mm	5.5 – 6.0 mm
AR-C150	5.5 – 6.0 mm	5.5 – 6.0 mm
AR-C250	6.0 – 7.0 mm	6.5 – 7.5 mm
AR-C160	6.5 – 7.5 mm	6.5 – 7.5 mm



LR = LF

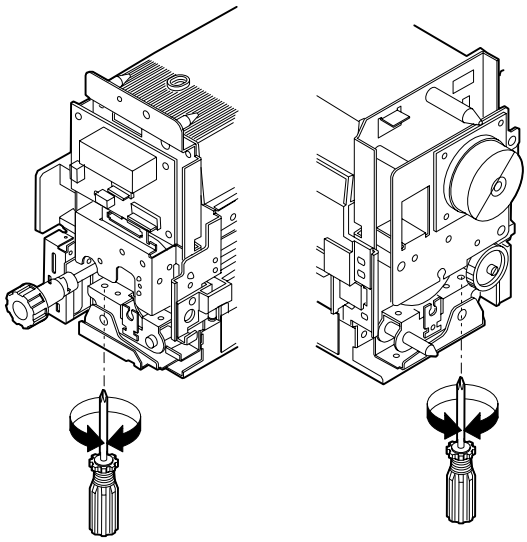
If the above condition is not satisfied, perform the following procedure.

9) Turn the pressure adjustment screw on the front and the rear frame sides of the fusing unit to adjust the fusing pressure.
   (AR-C100/C150)



Adjustment wrench (UKOG-0282FCZZ) (Required for the AR-C100/C150)

(AR-C250/C160)



Repeat procedures 2) – 9) until the condition of procedure 8) is satisfied.

ADJ M23 Power voltage adjustment (AR-C100/C150/C250)

This adjustment must be performed in the following cases:

- When a part in the DC power unit is replaced.

ADJ 1 3.4V power voltage adjustment

1) Put the multi-meter on the 3.4V line of the DC main PWB and GND.
2) Turn VR704 on the DC main PWB to adjust so that the voltage is 3.4V.

ADJ 2 5.0V power voltage adjustment

1) Put the multi-meter on the 5.0V line of the DC main PWB and GND.
2) Turn VR703 on the DC main PWB to adjust so that the voltage is 5.0V.

ADJ 3 24V power voltage adjustment

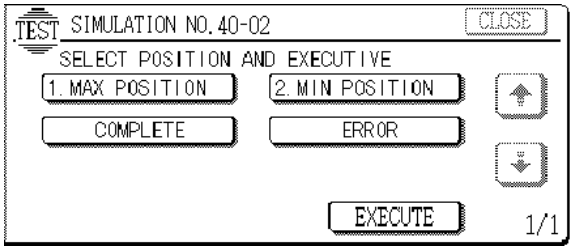
1) Put the multi-meter on the 24V line of the DC main PWB and GND.
2) Turn VR702 on the DC main PWB to adjust so that the voltage is 24.0V.

ADJ M24 Manual paper feed size detection level adjustment

This adjustment must be performed in the following cases:

- When the manual paper feed tray section is disassembled.
- When the manual paper feed tray is replaced.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

1) Execute SIM 40-2.



2) Extend the manual paper feed guide fully.
3) Press [MAX POSITION] on the LCD of the operation panel to highlight it.
4) Press [EXECUTE] on the LCD of the operation panel to highlight it.

   If normal, the highlight is shifted from [MAX POSITION] to [MIN POSITION].
5) Narrow the manual paper feed tray guide fully.
6) Press [EXECUTE] on the LCD of the operation panel to highlight it.

   Check that [COMPLETE] is highlighted.

ADJ M25 OHP sensor adjustment

This adjustment must be performed in the following cases:

- When the OHP sensor is replaced.
- When the OHP sensor is disassembled.
- When a U2 trouble occurs.
- When the PCU main PWB is replaced.
- When the EEPROM of the PCU main PWB is replaced.

1) Enter the SIM 40-5 mode.
2) Set A4 (11 × 8.5) paper to the manual paper feed tray.
3) Press the EXECUTE key.

Paper in the manual paper feed tray is fed and stopped at the OHP sensor section.

The sensor LED current level is automatically adjusted so that the specified (target) output of the OHP sensor is supplied.

After adjustment, paper is discharged and the result data is displayed.

When the adjustment is completed normally, ADJUSTMENT COMPLETE is displayed. When an error occurs, ADJUSTMENT ERROR is displayed.

[8] SIMULATION

(Diagnostics, setting, adjustment value input, data display)

1. Outline and purpose

There are the following simulation functions to check the machine operations, troubleshoot, find causes, make various settings, improves adjustment work speeds and serviceability.

1) Various adjustments
2) Specification and function setting
3) Trouble cancel
4) Operation check
5) Counters check, setting, clear
6) Machine operation conditions (operation history) data check, clear
7) Transmission of various data (adjustment, setting, operations, counter, etc.)

The operating procedures and displays slightly differ from the form of the machine operation panel.

The typical forms are as follows:

1) Code system: Values input and mode selection are made with the 10-key pad and various function keys.
2) Switch system: Simulation mode selection is made by combination of switch setting.
3) Values and mode selection is made with various function keys. As a special one, a jumper wire is used to connect the check points on the PWB to select the desired mode.

2. Code system simulation

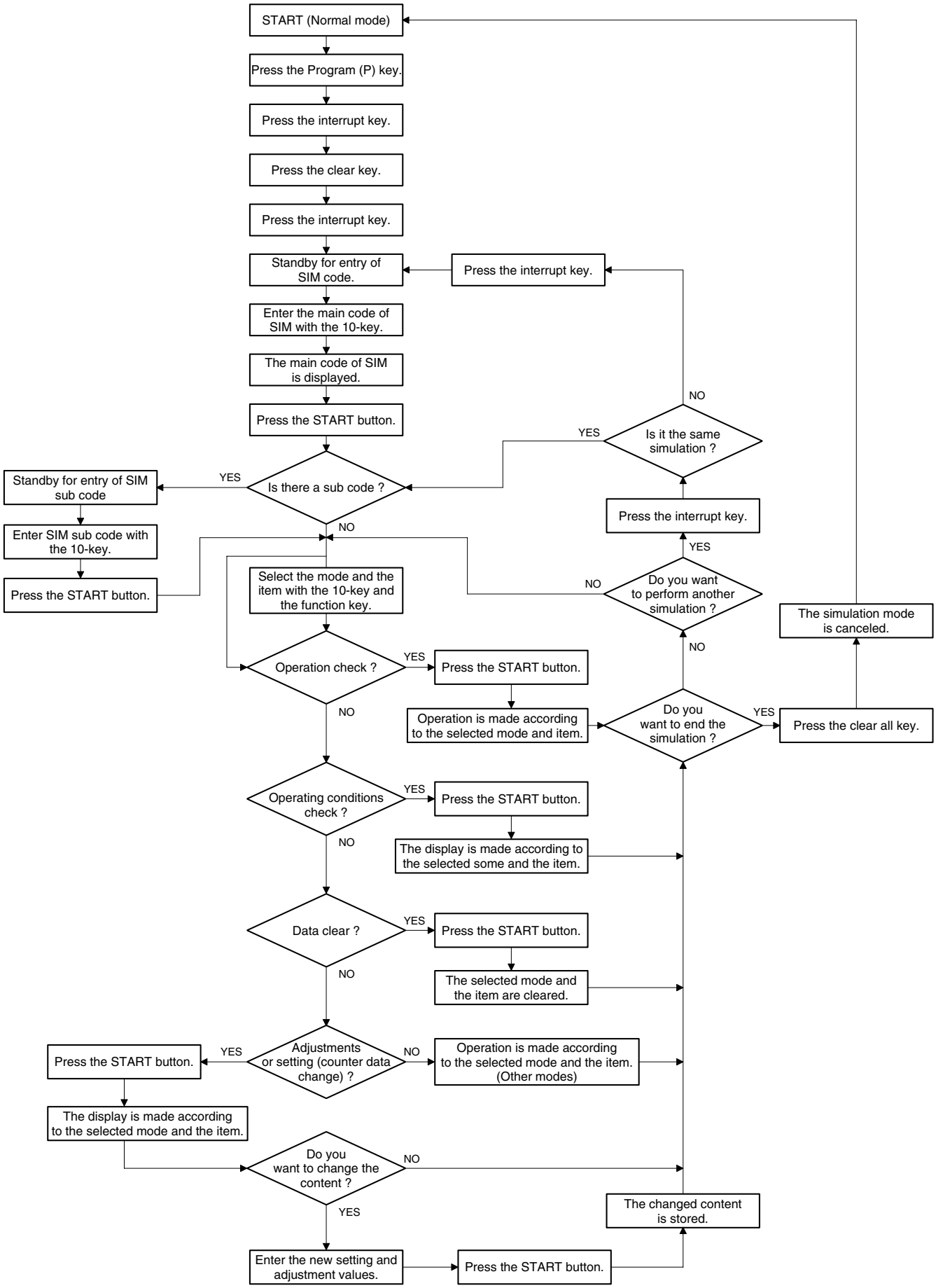
A. Operating procedures and operations

* Entering the simulation mode

1) Program (P) key → Interrupt key → Clear key → Interrupt key
   (The machine enters the standby mode for the simulation main code.)
2) Enter the main code with 10-key pad. → Press START key.
3) Enter the sub code of with 10-keypad. → Press START key.
4) Select the mode and the item with the 1-key pad and the function key.
5) The machine enters the selected mode.
   To start the simulation, press the START key or the function key.
   To cancel the current simulation mode and to change the main code and the sub code, press the interrupt key.

1) Press the all clear key.

* The simulation mode is canceled and the machine returns to the normal operation mode.


START (Normal mode)
Press the Program (P) key.
Press the interrupt key.
Press the clear key.
Press the interrupt key.
Standby for entry of SIM code.
Press the interrupt key.
Enter the main code of SIM with the 10-key.
The main code of SIM is displayed.
Press the START button.
Is it the same simulation ?
YES
NO
Is there a sub code ?
YES
Standby for entry of SIM sub code
Enter SIM sub code with the 10-key.
Press the START button.
NO
Press the interrupt key.
YES
Select the mode and the item with the 10-key and the function key.
Do you want to perform another simulation ?
NO
YES
The simulation mode is canceled.
Operation check ?
YES
Press the START button.
NO
Operation is made according to the selected mode and item.
Do you want to end the simulation ?
YES
Press the clear all key.
NO
Operating conditions check ?
YES
Press the START button.
NO
The display is made according to the selected some and the item.
Data clear ?
YES
Press the START button.
NO
The selected mode and the item are cleared.
Adjustments or setting (counter data change) ?
YES
Press the START button.
NO
Operation is made according to the selected mode and the item. (Other modes)
The display is made according to the selected mode and the item.
Do you want to change the content ?
NO
YES
The changed content is stored.
Enter the new setting and adjustment values.
Press the START button.

B. Simulation list

(1) Main/Sub

Code		Function (Purpose)	Purpose	Section		Item	
Main	Sub						
1	1	Used to check the operations of the scanner unit and its control circuit.	Operation test/check	Optical (Image scanning)		Operation	
	2	Used to check the sensors and detectors in the scanner section and the related circuits.	Operation test/check	Optical (Image scanning)		Operation	
2	1	Used to check the operations of the RADF unit and the control circuit. (The document feed operation is repeatedly performed.) (AR-C150/C250/C160)	Operation test/check	ADF/RADF/UDH/SPF		Operation	
	2	Used to check the operations of the sensors and detectors in the RADF unit and the related circuits. (AR-C150/C250)	Operation test/check	ADF/RADF/UDH/SPF		Operation	
	3	Used to check the operations of the loads in the RADF unit and the related circuits. (AR-C150/C250/C160)	Operation test/check	ADF/RADF/UDH/SPF		Operation	
3	2	Used to check the operations of the loads in the sorter/finisher and the related circuits. (AR-C150/C250/C160)	Operation test/check	Sorter/Finisher		Operation	
	3	Used to check the operations of the loads in the sorter/finisher and the related circuits. (AR-C150/C250/C160)	Operation test/check	Sorter/Finisher		Operation	
4	2	Used to check the operations of the sensors and detectors in the large capacity tray and the related circuit. (AR-C150/C250/C160)	Operation test/check	Paper transport		Operation	
	3	Used to check the operations of the loads in the large capacity tray and the control circuit. (AR-C150/C250/C160)	Operation test/check	Paper transport		Operation	
5	1	Used to check the operations of the operation panel display lamps and LCD and the control circuit.	Operation test/check	Operation (Display/ Operation key)		Operation	
	2	Used to check the operations of the heater lamp and the control circuit.	Operation test/check	Fixing (Fusing)		Operation	
	3	Used to check the operations of the scanner lamp and the control circuit.	Operation test/check	Optical (Image scanning)		Operation	
	4	Used to check the operations of the discharge lamp and the control circuit.	Operation test/check	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Others	Operation	
6	1	Used to check the operations of the loads (clutches and solenoids) in the paper transport system and the control circuits.	Operation test/check	Paper transport (Discharge/Switchback/ Transport)		Operation	
	2	Used to check the operation of each fan motor and its control circuit.	Operation test/check	Others		Operation	
7	1	Used to set the aging conditions.	Setting/ Operation test/check			Operation	
	6	Used to set the intermittent aging cycle.	Setting/ Operation test/check			Operation	
	8	Used to set Yes/No of warm-up time display.	Setting/ Operation test/check			Operation	
	9	Used to check the operation of each color image quality.	Operation test/check	Others		Picture quality	
8	1	Used to check and adjust the operation of each print mode developing bias voltage and the control circuit.	Adjustment/ Operation test/check	Image process (Photoconductor/ Developing/Transfer/ Cleaning)			
	2	Used to check and adjust the operation of each print mode main charger grid voltage and the control circuit.	Adjustment/ Operation test/check	Image process (Photoconductor/ Developing/Transfer/ Cleaning)			
	6	Used to check and adjust the operation of the transfer charger current and the control circuit. (Old)	Adjustment/ Operation test/check	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Copy		
9	1	Used to check the operation of the loads (clutches and solenoids) in the duplex section and the control circuit. (AR-C150/C250/C160)	Operation test/check	Duplex		Operation	
	2	Used to check the operation of the sensors and detectors in the duplex section and the control circuit. (AR-C150/C250/C160)	Operation test/check	Duplex		Operation	

Code		Function (Purpose)	Purpose	Section		Item	
Main	Sub						
9	4	Used to check the operation of the duplex unit alignment plate and the control circuit. (AR-C150/C250/C160)	Operation test/check	Duplex		Operation	
10	0	Used to check the operation of the toner motor and the control circuit. (Note) Never execute this simulation with toner in the toner hopper. Otherwise extra toner will enter the developing section, causing overtoner. Be sure to remove the toner from the toner hopper.	Operation test/check	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Developer/ Toner Hopper	Operation	
14	0	Used to cancel self diag troubles H3, H4, and H5. Inhibition of the color copy mode operation is canceled.	Clear/Cancel (Trouble etc.)			Trouble	Error
15	0	Used to cancel self diag trouble U6 (Large capacity tray). (AR-C150/C250/C160)	Clear/Cancel (Trouble etc.)	Paper transport		Trouble	
16	0	Used to cancel self diag trouble U2.	Clear/Cancel (Trouble etc.)			Trouble	Error
17	0	Used to cancel self diag troubles PF (copy inhibition command from the host computer).	Clear/Cancel (Trouble etc.)	Communication unit (TEL/LIU/MODEM etc.)		Trouble	Error
21	1	Used to set the maintenance cycle.	Setting			Specifications	Counter
22	1	Used to check the print count value in each section and each operation mode. (Used to check the maintenance timing.)	Operation data output/Check (Display/Print)			Counter	
	2	Used to check the total misfeed count and the total trouble count. (If the misfeed count is considerably great, it may be judged as necessary to repair. By dividing this count by the total count, the misfeed rate can be obtained.)	Operation data output/Check (Display/Print)			Trouble	
	3	Used to check misfeed positions and the misfeed count of each position. (If the misfeed count is considerably great, it may be judged as necessaary to repair.) (Other sections than RADF section)	Operation data output/Check (Display/Print)			Trouble	Misfeed
	4	Used to check the total trouble (self diag) history.	Operation data output/Check (Display/Print)			Trouble	
	5	Used to check the ROM version of each unit (section).	Others			Software	
	6	Used to print the setting and adjustment data list.	Operation data output/Check (Display/Print)			Operation	
	7	Used to display the key operator code. (Used when the customer forgets the key operator code.)	User data output/Check (Display/Print)			Data	User data
	8	Used to check the number of uses of the staple, and the RADF. (AR-C150/C250/C160)	Operation data output/Check (Display/Print)			Counter	
	9	Used to check the number of uses (print quantity) of each paper feed section.	Operation data output/Check (Display/Print)	Paper transport		Counter	
	10	Used to check the system configuration (option, internal hardware). (AR-C150/C250/C160)	Operation data output/Check (Display/Print)			Specifications	Options
	12	Used to check the misfeed positions and the number (history) of misfeed at each position. (If the misfeed count is considerably great, it may be judged as necessaary to repair.) (AR-C150/C250/C160)	Operation data output/Check (Display/Print)	ADF/RADF/UDH/SPF		Trouble	Misfeed
24	1	Used to clear the the misfeed counter, the misfeed history, the trouble counter, and the trouble history. (After completion of maintenance, the counters are cleared.)	Data clear	Memory		Counter	
	2	Used to clear the data of the number of uses (print quantity) of each paper feed section.	Data clear	Paper transport		Counter	Paper feed
	3	Used to clear the data of the number of uses of the stapler, the RADF, and the scanner.	Data clear			Counter	
	4	Used to reset the maintenance counter.	Data clear			Counter	Maintenance
	5	Used to reset the developer counter. (The developer counter of the installed DV unit is reset.)	Data clear	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Developer/ Toner Hopper	Counter	Developer

Code		Function (Purpose)	Purpose	Section		Item	
Main	Sub						
24	7	Used to clear the OPC drum (membrane decrease) correction counter. (Performed when the OPC drum is replaced.)	Data clear	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Photo conductor	Counter	Photo conductor
	8	Used to clear the waste toner counter in the transfer section.	Data clear	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Copy	Counter	
	9	Used to clear the self print and the list print counter. "(After completion of maintenance, this counter is cleared. (AR-C150/C250/C160)	Data clear	Printer		Counter	Printer
25	1	Used to check the operation of the main drive (excluding the scanner section) and the toner density sensor. (The toner density sensor output can be monitored.)	Operation test/check	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Developer/ Toner Hopper	Operation	
	2	Used to make the initial setup (automatic adjustment) of toner density when replacing developer.	Setting	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Developer/ Toner Hopper		
26	1	Used to make option setup. (When installing an option, this simulation is used to setup for that option (software). (AR-C150/C250/C160)	Setting			Specifications	Options
	2	1) Used to set the paper size of the large capacity tray. (When the paper size is changed, the software setup must be changed accordingly with this simulation.) 2) Used to detect 8.5 × 13 (INCH Series) paper or documents and to set the display mode. (All paper feed modes) 3) Used to set the display form of the paper kind in the manual paper feed mode.	Setting	Paper transport		Specifications	
	3	Used to set the auditor specification mode. Setting must be made according to the use conditions of the auditor.	Setting	Auditor		Specifications	
	5	Used to set the count mode of the total counter, the developer counter, and the maintenance counter.	Setting			Specifications	Counter
	6	1)Used to set the specifications (paper, fixed copy magnification ratio, machine operations in case of an image (process) correction error) according to the destination. (AR-C150/C250/C160) 2) Used to set the user logo. (AR-C100 only)	Setting			Specifications	Destination
	18	Used to set YES/NO of toner save operation. (This simulation is valid only for Japan and UK versions. It depends on Sim 26-6 (Destination) setting. For the other destinations, the same setting can be made by the user program P22. (Effective only in the monochrome copy mode)	Setting			Specifications	Operation mode (Common)
	22	Used to set the specification (language) for the destination. (AR-C150/C250/C160)	Setting			Specifications	Language
	28	Used to set the AC power voltage. (For control of the fusing section heater lamp)	Setting	Power supply (DC/AC/High)		Operation	
	30	Used to set the CE mark complying operation mode. (Conforms to the soft start when driving the fusing heater lamp.)	Setting	Fixing (Fusing)		Specifications	Operation mode (Common)
	32	Used to set the fan rotating speed. (low speed)	Setting			Operation	
	35	Used to set whether the trouble history display by SIM 22-4 is displayed as one trouble or as the accumulated number of continuous troubles when two or more troubles of same kind occur continuously.	Setting			Specifications	
	45	Used to set the copy charge. (AR-C100 only)	Setting			Specifications	Others
	52	Used to set YES/NO of count up of non-copy paper (cover or insertion paper).	Setting			Specification	Operation mode
	53	Used by the user to set Enable/Disable auto color calibration (auto adjustment of color balance and density)	setting			Specifications	Operation mode
	54	Used to adjust the brightness of LCD display. (AR-C250 only)	Adjustment	LCD display		Operation	

Code		Function (Purpose)	Purpose	Section		Item	
Main	Sub						
26	55	Used to set the fusing capability (image process) in the heavy paper mode. (AR-C150) Used to select the gamma characteristics in the color copy mode. (AR-C250/C160)	Setting	ICU		Operation	
27	1	Used to set the specifications for operations in case of communication trouble between the host computer and MODEM (machine side). (When communication trouble occurs between the host computer MODEM and the machine, the self diag display (U7-00) is printed and setting for inhibition of print or not is made.)	Setting	Communication unit (TEL/LIU/MODEM etc.)		Specifications	Operation mode (Common)
	2	Used to set or change the host computer/MODEM number. (This setting is required when a communication is made between the copier and the computer through MODEM.)	Setting	Communication unit (TEL/LIU/MODEM etc.)		Data	User data
	3	Used to set and change the ID numbers of the copier, the host computer/MODEM. (This setting is required when a communication is made between the copier and the computer through MODEM.)	Setting	Communication unit (TEL/LIU/MODEM etc.)		Data	Communication
	4	Used to enter the service start time and service end time for management of servicing. (The data can be checked with the host computer.)	Setting	Communication unit (TEL/LIU/MODEM etc.)		Data	Communication
	5	Used to enter the machine TAG No. (This function allows to check the TAG No. of the machine with the host computer.)	Setting	Communication unit (TEL/LIU/MODEM etc.)		Data	User data
	6	Used to set ON/OFF of service call sending to the service center by use of RIC when trouble occurred in the machine. (The service call is not sent automatically, but sent manually.)	Setting	Communication unit (TEL/LIU/MODEM etc.)		Specifications	Others
29	4	Used to set the print count system in the printer mode. (AR-C150/C250/C160)	Setting	Memory		Counter	
30	1	Used to check the operation of sensors and detectors in the paper feed, paper transport, paper exit sections and the related circuits.	Operation test/check			Operation	
	2	Used to check the operation of sensors and detectors in the paper feed section and the related circuits. (The operation of the paper feed sensors and detectors can be monitored with the LCD display.)	Operation test/check	Paper transport		Operation	
33	1	Used to check the operation of the card reader and the sensors and the related circuits. (The card reader sensor operation can be monitored with the LCD display.) (AR-C150/C250/C160)	Operation test/check	Others		Operation	
40	1	Used to check the operation of the manual feed tray paper size detector and the related circuit. (The operation of the manual feed tray paper size detector can be monitored with the LCD display.) (AR-C150/C250/C160)	Operation test/check	Paper transport		Operation	
	2	Used to adjust the manual feed tray paper width detector detection level. (AR-C150/C250/C160)	Adjustment	Paper transport		Operation	
	4	Used to check the OHP sensor and its control circuit. (AR-C150/C250/C160)	Operation test/check	Paper transport		Operation	
	5	Used to adjust the detection level of the OHP sensor. (AR-C150/C250/C160)	Adjustment	Paper feed		Operation	
	6	Used to set the OHP sensor adjustment parameter. (AR-C150/C250/C160)	setting	Paper feed		Operation	
41	1	Used to check the operation of the document size sensor and the related circuit. (The operation of the document size sensor can be monitored with the LCD display.)	Operation test/check/ Operation data Output/Check (Display/Print)	Others		Operation	
	2	Used to adjust the document size sensor detection level.	Adjustment	Others		Operation	
	3	Used to check the operation of the document size sensor and the related circuit. (The document size sensor output level can be monitored with the LCD display.)	Operation test/check	Others		Operation	

Code		Function (Purpose)	Purpose	Section		Item	
Main	Sub						
43	1	Used to set the fusing temperature in each operation mode.	Setting	Fixing (Fusing)		Operation	
	7	Used to adjust the fusing oil supply amount. (Adjustment of oil motor ON time and oil motor ON interval)	Adjustment	Fixing (Fusing)		Operation	
44	1	Used to set enable/disable of correction operations in the image forming (process) section.	Setting	Image process (Photoconductor/ Developing/Transfer/ Cleaning)		Operation	
	2	Used to check the operation of the temperature sensor and the humidity sensor for correction of the image process section. (The sensor detection level can be monitored.)	Operation test/check			Operation	
	4	Used to set the target image (reference) density level in correction (process correction) operations in the image forming section.	Setting	Image process (Photoconductor/ Developing/Transfer/ Cleaning)		Picture quality	Density
	5	Used to set the correction start developing bias voltage in correction (process correction) operations in the image forming section.	Setting	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Developer/ Toner Hopper	Operation	
	6	Used to forcibly execute the image forming section correction (process correction).	Operation test/check	Image process (Photoconductor/ Developing/Transfer/ Cleaning)		Operation	
	9	Used to check the data on the image forming section correction (process correction) (corrected main charger grid voltage, the developing bias voltage, the laser power, etc, in each print mode). (This simulation allows to check if the correction operation is performed normally.)	Operation data output/Check (Display/Print)	Image process (Photoconductor/ Developing/Transfer/ Cleaning)		Data	Operation data (Machine condition)
	12	Used to check the toner image patch density data in the image forming section correction (process correction). This simulation allows to check if the correction operation is performed normally.)	Operation data output/Check (Display/Print)	Image process (Photoconductor/ Developing/Transfer/ Cleaning)		Data	Operation data (Machine condition)
	13	Used to adjust the image density sensor (for color) sensitivity (gain).	Adjustment	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Copy		
	14	Used to monitor the output level of the fusing temperature sensor, the machine temperature sensor, and the humidity sensor.	Operation data output/Check (Display/Print)	Others			
	16	Used to check the toner concentration correction result. (This simulation allows to check if correction is executed properly or not.)	Operation data output/Check (Display/Print)	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Developer/ Toner Hopper	Data	Operation data (Machine condition)
	20	Used to adjust the phase of OPC drum deflection. (Used to adjust deflection phases of four OPC drums.) (Old)	Adjustment	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Photo conductor	Operation	
	21	Used to store color balance adjustment data. (Half tone image correction initial setting) (After execution of color balance adjustment with SIM 46-21, this simulation must be executed.)	Setting			Picture quality	
	22	Used to check each color toner patch image density UITU in half tone image forming section correction (process correction). (This simulation allows to check if correction operation is performed normally.)	Operation data output/Check (Display/Print)	Image process (Photoconductor/ Developing/Transfer/ Cleaning)		Data	Operation data (Machine condition)
	23	Used to adjust the image density sensor position (main scan direction). (The position is adjusted when toner patch is formed.)	Adjustment	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Copy		
	24	Used to check the half tone correction result. (This simulation allows to check if correction is executed properly or not.)	Operation data output/Check (Display/Print)	Image process (Photoconductor/ Developing/Transfer/ Cleaning)		Data	Operation data (Machine condition)
	25	Used to check the half tone correction result. (This simulation allows to check if correction is executed properly or not.)	Operation data output/Check (Display/Print)	Image process (Photoconductor/ Developing/Transfer/ Cleaning)		Data	Operation data (Machine condition)

Code		Function (Purpose)	Purpose	Section		Item	
Main	Sub						
44	26	Used to execute half tone correction compulsorily.	Adjustment	Image process (Photoconductor/ Developing/Transfer/ Cleaning)		Picture quality	
	27	Used to set the half tone correction data to the default level.	Data clear	Image process (Photoconductor/ Developing/Transfer/ Cleaning)		Data	
	30	Used to check and adjust the operation of the transfer charger current and the control circuit. (New)	Adjustment/Operation test/check	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Copy		
	31	Used to adjust the phase of OPC drum deflection. (Used to adjust deflection phases of four OPC drums.) (New)	Adjustment	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Photo conductor	Operation	
46	1	Used to adjust the copy density of each mode in the low density area in the color copy mode. The copy densities all colors in the low density area are changed. (AR-C150/C250/C160)	Adjustment	ICU		Picture quality	Density
	2	Used to adjust the copy density in the low density area in the monochrome copy mode. The copy density in the low density area is changed. (AR-C150/C250/C160)	Adjustment	ICU		Picture quality	Density
	6	1) Used to set CCD black level offset. 2) Used to set CCD white level gain.	Adjustment	Optical (Image scanning)		Picture quality	
	10	Used to set the copy color balance (gamma for each color). (Color/Text Photo mode). (AR-C100/C150) Used to adjust the copy color balance (gamma for each color). (Color/Copy document mode) (AR-C250/C160)	Adjustment	ICU		Picture quality	Color balance
	11	Used to set the copy color balance (gamma for each color). (Color/Text mode) (AR-C150/C250/C160)	Adjustment	ICU		Picture quality	Color balance
	12	Used to set the copy color balance (gamma for each color). (Color/Printed Photo mode) (AR-C150) Used to adjust the copy color balance (gamma for each color). (Color/Text Printed Photo/Printed Photo mode) (AR-C250/C160)	Adjustment	ICU		Picture quality	Color balance
	13	Used to set the copy color balance (gamma for each color). (Color/Photo mode) (AR-C100/C150) Used to adjust the copy color balance (gamma for each color). (Color/Text Photo/Photograph mode) (AR-C250/C160)	Adjustment	ICU		Picture quality	Color balance
	14	Used to set the copy color balance (gamma for each color). (Color/Map mode) (AR-C150/C250/C160)	Adjustment	ICU		Picture quality	Color balance
	15	Used to adjust the copy density (gamma). (Monochrome/Text Photo mode) (AR-C100/C150) Used to adjust the copy density (gamma). (Monochrome/Copy document mode) (AR-C250/C160)	Adjustment	ICU		Picture quality	Density
	16	Used to adjust the copy density (gamma). (Monochrome/Test mode) (AR-C150/C250/C160)	Adjustment	ICU		Picture quality	Density
	17	Used to adjust the copy density (gamma). (Monochrome/Printed Photo mode) (AR-C150) Used to adjust the copy density (gamma). (Monochrome/Text Printed Photo/Printed Photo mode) (AR-C250/C160)	Adjustment	ICU		Picture quality	Density
	18	Used to adjust the copy density (gamma). (Monochrome/Photo mode) (AR-C100/C150) Used to adjust the copy density (gamma). (Monochrome/Text Photo/Photo mode) (AR-C250/C160)	Adjustment	ICU		Picture quality	Density
	19	Used to adjust the copy density (gamma). (Monochrome/Map mode)(AR-C150/C250/C160)	Adjustment	ICU		Picture quality	Density

Code		Function (Purpose)	Purpose	Section		Item	
Main	Sub						
46	20	Used to adjust the copy density (gamma). (Color/ All modes) (The copy color balances (gamma) in all copy modes are changed.) The operations are the same as SIM 46-21, but printing is not performed.	Adjustment	ICU		Picture quality	Color balance
	21	Used to adjust the copy color balance (gamma). (Color/All modes) (The color balance (gamma) in all the copy modes is changed. Printing is performed while adjustment.	Adjustment	ICU		Picture quality	Color balance
	22	Used to make the print (printer engine) color balance (gamma) adjustment. (Auto adjustment) (AR-C100)	Adjustment	ICU		Picture quality	Color balance
	23	Used to the half tone high density correction operation. (AR-C150/C250/C160)	Setting	ICU		Picture quality	Density
	24	Used to adjust the print (printer engine) color balance (gamma). (Auto adjustment) (For AR-C150/C250/C160)	Adjustment	ICU		Picture quality	Color balance
	25	Used to adjust the copy color balance. (Single color copy mode) (AR-C250/C160)	Adjustment	ICU		Picture quality	Color balance
	26	Used to set the copy color balance adjustment value to the default. (Single color copy mode) (AR-C250/C160)	Setting	ICU		Picture quality	Color balance
	27	Used to adjust the black toner component image gamma. (Adjustment of the reproduction capability of black characters and lines) (AR-C250/C160)	Adjustment	ICU		Picture quality	Density
48	1	Used to adjust the copy magnification ratio (main scan, sub scan direction).	Adjustment			Picture quality	Image size/ Magnification
	6	Used to adjust each motor rotating speed.	Adjustment			Operation	
49	1	Used to revise the version of the body firmware. (AR-C150/C250/C160)	Other	ICU		Software	
	2	Used to set the data communication speed in version up of the body firmware. (AR-C150/C250/C160)	Setting	ICU		Operation	
50	1	Used to adjust the copy image position and the void area (image loss) on print paper in the copy mode. (The similar adjustment can be made also by SIM 50-2 (Simple method).)	Adjustment			Picture quality	Image position
	2	Used to adjust the copy image position and the void area (image loss) on print paper in the copy mode.(Simple method) (The same content of SIM 50-1. However this simulation is easier to perform.)	Adjustment			Picture quality	Image position
	10	Used to adjust the print image center position. (Adjusted separately for each paper feed section.)	Adjustment	ICU		Picture quality	Image position
	12	Used to adjust the print image center position. (Adjusted separately for each document mode.)	Adjustment	ICU		Picture quality	Image position
	20	Used to adjust color registration in the main scan direction. (Manual adjustment)	Adjustment	ICU		Picture quality	Image position
	21	Used to adjust the sub scan direction color registration. (Manual adjustment)	Adjustment	ICU		Picture quality	Image position
	22	Used to adjust the color registration (in the main/sub scanning direction). The color registration adjustment (automatic adjustment) can be performed both in the main and the sub scanning directions at the same time. (AR-C250) (New version of AR-C150) (AR-C160) (Auto adjustment)	Adjustment	ICU		Picture quality	Image position
51	1	Used to adjust the transfer operation and ON timing of the transfer section separation pawl.	Adjustment	Image process (Photoconductor/ Developing/Transfer/ Cleaning)	Copy	Operation	
	2	Used to adjust the contact pressure of paper on the resist roller of each section (each paper feed and duplex feed of the copier). (This adjustment is required when the print image position variations are considerably great or when paper jams occur frequently.)	Adjustment	Paper transport (Discharge/Switchback/ Transport)		Operation	

Code		Function (Purpose)	Purpose	Section		Item	
Main	Sub						
52	1	Used to adjust the duplex print mode stacking capacity (Used to adjust the stop position of the duplex unit paper tray width alignment plate. The home position of the width alignment plate is changed by software.) (AR-C150/C250/C160)	Adjustment	Duplex		Operation	
53	1	Used to adjust the document stop position in each operation mode of ADF/RADF. (AR-C150/C250/C160)	Adjustment	ADF/RADF/UDH/SPF		Operation	
53	2	Used to adjust the optical sensor sensitivity in ADF/RADF. (AR-C150/C250/C160)	Adjustment	ADF/RADF/UDH/SPF		Operation	
60	1	Used to check the operation (read/write) of the ICU main PWB (image DRAM).	Operation test/check	ICU		Operation	
61	1	Used to check the operation of the scanner (exposure) unit.	Operation test/check	Laser (Exposure)		Operation	
	4	Used to adjust skew of the scanner (writing) unit laser beam.	Adjustment	Laser (Exposure)		Operation	
63	1	Used to check the result of shading correction. (The shading correction data is displayed.)	Operation data output/Check (Display/Print)	Laser (Exposure)		Operation	
	3	Used to adjust CCD color balance (gamma).	Adjustment	Optical (Image scanning)		Picture quality	Color balance
	5	Used to set CCD color balance (gamma) default.	Setting	Optical (Image scanning)		Picture quality	Color balance
	6	Used to check the color balance (gamma) adjustment . (Check patch)	Adjustment/ Operation data output/Check (Display/Print)	ICU		Picture quality	Color balance
	7	Used to set the target color balance (gamma) for auto color balance adjustment. The standard color balance (gamma) or an optional color balance (gamma) is set as the service target. (AR-C150/C250/C150)	setting	ICU		Picture quality	Color balance
	8	Used to set the target color balance (gamma) for auto color balance adjustment (SIM 46-24). The service target is set to the default (standard) color balance (gamma). (AR-C150/C250/C160)	setting	ICU		Picture quality	Color balance
	9	Used to adjust the CCD color balance (gamma). (Copy document mode) (AR-C250/C160)	Setting	Optical (Image scanning)		Picture quality	Color balance
	10	Used to set the default of the CCD color balance (gamma). (Copy to copy mode) (AR-C250/C160)	Setting	Optical (Image scanning)		Picture quality	Color balance
64	1	Used to check the operation (self print) of the printer section. (The print pattern, the paper feed mode, the print mode, the print quantity, and the density can be set optionally.)	Operation test/check	Printer		Operation	
	2	Used to print the color patch image (adjustment pattern). The above color patch image (adjustment pattern) is outputted according to the currently adjusted color balance (gamma). Use SIM 63-7 to read the color patch image (adjustment pattern), which can be used as the service target of the automatic color balance (gamma) adjustment.	Adjustment/setup/ operation data output, adjustment (display, print)			Picture quality	Color balance
	3	Used to check the operation (self print) of the printer section. (The print pattern, the paper feed mode, the print mode, the print quantity, and the density can be set optionally.) (monochrome) (AR-C160)	Operation test/check	Printer		Operation	
65	1	Used to adjust the touch panel (LCD display section) detection position.	Adjustment	Operation (Display/ Operation key)			
	2	Used to check the result of the touch panel (LCD display) detection position adjustment. (The coordinates are displayed.)	Operation data output/Check (Display/Print)	Operation (Display/ Operation key)			

C. Details of simulation

6

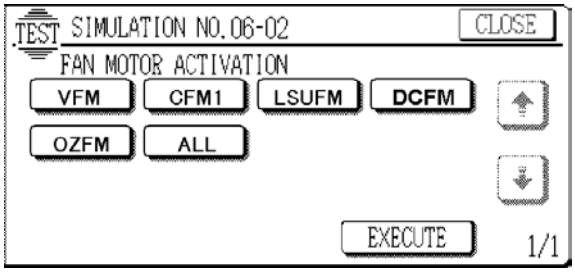
6 - 2

Purpose	Operation test/check
Function (Purpose)	Used to check the operation of each fan motor and its control circuit.
Section	Others
Item	Operation
Operation/ Procedure	1. The loads which can be checked are displayed. Select one you want to check.

2. Press the [EXECUTE] key.
   The selected load is operated. During operation, the [EXECUTE] key is highlighted. To interrupt the operation of the load, press the [EXECUTE] key.

Each fan motor rotating operation is checked.

VFM : Exhaust fan motor
CFM1 : Optical cooling fan motor
LSUFM : LSU cooling fan motor
OZFM : Ozone exhaust fan motor
ALL : All fan motors
DCFM : Power unit fan motor



22

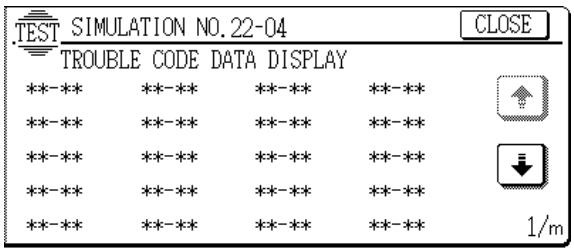
22 - 4

Purpose	Operation data output/Check (Display/Print)
Function (Purpose)	Used to check the total trouble (self diag) history.
Item	Trouble
Operation/ Procedure	The trouble history error codes are displayed sequentially from the latest one. Max. 40 items of information can be stored, and the oldest one is deleted sequentially. The machine condition can be presumed according to this data.

Model	Main code	Sub code	Content
AR-C250	A0	0	ROM trouble (PCU MAIN PWB)
AR-C100, AR-C150, AR-C250, AR-C160	C1	10	Charger trouble (Black)
		11	Charger trouble (Cyan)
		12	Charger trouble (Magenta)
		13	Charger trouble (Yellow)
	E7	10	Shading trouble (Black correction)
		11	Shading trouble (White correction)
		20	Laser trouble (Black)
		21	Laser trouble (Cyan)
		22	Laser trouble (Magenta)
		23	Laser trouble (Yellow)
AR-C100, AR-C150, AR-C250, AR-C160	E7	24	Laser BD detection trouble (Black)
		25	Laser BD detection trouble (Cyan)
		26	Laser BD detection trouble (Magenta)
		27	Laser BD detection trouble (Yellow)
		30	ICU PWB ROM trouble
		90	ICU-PCU communication trouble (PCU detection)
	E8	00	ICU PWB - PCU PWB communication trouble
		01	ICU PWB - PCU PWB communication trouble
AR-C250, AR-C160	F1	0	Communication trouble between PCU MAIN PWB - Finisher control PWB (Detected by PCU MAIN PWB)
		2	Finisher paper exit trouble (Finisher side detection)
		10	Finisher staple trouble (Finisher side detection)
		11	Finisher bundle process trouble (Finisher side detection)
		15	Finisher tray lift trouble (Finisher side detection)
		19	Finisher alignment trouble (Front side) (Finisher side detection)
		20	Finisher alignment trouble (Rear side) (Finisher side detection)
AR-C150, AR-C250, AR-C160		70	Sorter communication trouble (Machine detection)
		80	Sorter power trouble (Sorter detection)
		81	Sorter transport motor trouble (Sorter detection)
		83	Sorter push bar motor trouble (Sorter detection)
		87	Sorter staple unit oscillation motor trouble (Sorter detection)
		89	Sorter bin shift motor trouble (Sorter detection)
		91	Bin paper sensor auto adjustment trouble (Sorter detection)
AR-C100, AR-C150, AR-C250, AR-C160	F2	40	Toner control sensor open (Black)
		41	Toner control sensor open (Cyan)
		42	Toner control sensor open (Magenta)
		43	Toner control sensor open (Yellow)
		44	Black image density sensor trouble (Transfer belt surface reflection rate abnormality)
		45	Color image density sensor trouble (Calibration plate surface reflection rate abnormality)
		50	Process control trouble (Drum marking read error: Black)
		51	Process control trouble (Drum marking read error: Cyan)
		52	Process control trouble (Drum marking read error: Magenta)
		53	Process control trouble (Drum marking read error: Yellow)
		54	Drum marking sensor gain adjustment error (Black)
		55	Drum marking sensor gain adjustment error (Cyan)
		56	Drum marking sensor gain adjustment error (Magenta)
		57	Drum marking sensor gain adjustment error (Yellow)
		58	Process humidity sensor trouble
		63	Process thermistor trouble (Yellow)

Model	Main code	Sub code	Content
AR-C100, AR-C150, AR-C250, AR-C160	F2	80	Half tone process control 1st batch trouble (Black)
		81	Half tone process control 1st batch trouble (Cyan)
		82	Half tone process control 1st batch trouble (Magenta)
		83	Half tone process control 1st batch trouble (Yellow)
		84	Half tone process control 2nd batch trouble (Black)
		85	Half tone process control 2nd batch trouble (Cyan)
		86	Half tone process control 2nd batch trouble (Magenta)
		87	Half tone process control 2nd batch trouble (Yellow)
		90	Half tone process control error
	F3	12	Cassette 1 lift up trouble
		22	Cassette 2 lift up trouble
		32	Cassette 3 lift up trouble
		42	Cassette 4 lift up trouble
AR-C150, AR-C250, AR-C160	F9	00	ICU-PRT communication trouble (ICU detection)
AR-C100, AR-C150, AR-C250, AR-C160	H2	00	Thermistor open/Fusing unit not installed (HL1)
		01	Thermistor open/Fusing unit not installed (HL2)
		02	Thermistor open/Fusing unit not installed (HL3)
AR-C100, AR-C150, AR-C250	H2	03	Thermistor open/Fusing unit not installed (HL4) The thermistor is open. (The input voltage of 4.6V or more is detected.) The fusing unit is not installed.
	H3	00	Fusing section high temperature trouble (HL1)
		01	Fusing section high temperature trouble (HL2)
		02	Fusing section high temperature trouble (HL3)
		03	Fusing section high temperature trouble (HL4) The fusing temperature exceeds 220 C. (The input voltage of 0.85V or less is detected.) Thermitor trouble, control PWB trouble, fusing section connector trouble, AC power trouble
	H4	00	Fusing section low temperature trouble (HL1)
		01	Fusing section low temperature trouble (HL2)
	H5	01	3-time continuous detection of POD/DPID not-reaching jam
	H6	00	Fusing oil remaining quantity abnormality detection
AR-C100, AR-C150, AR-C250	H7	00	AC input voltage (HLV) abnormality detection
AR-C100, AR-C150, AR-C250, AR-C160	L1	00	Mirror feed trouble
	L3	00	Mirror return trouble
	L4	03	Fusing motor trouble
		04	Developing motor trouble (Black)
		05	Developing motor trouble (Color)
		06	Transfer belt lift motor trouble

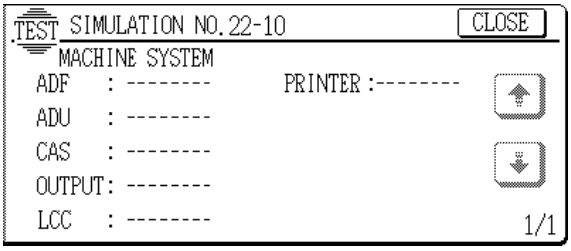
Model	Main code	Sub code	Content
AR-C100, AR-C150, AR-C250, AR-C160	L6	10	Polygon motor lock detection (Black)
		11	Polygon motor lock detection (Cyan)
		12	Polygon motor lock detection (Magenta)
		13	Polygon motor lock detection (Yellow)
	L8	01	No full wave signal
		02	Full wave signal abnormality
	PF	00	RIC copy inhibition signal reception
	U0	00	OPE-PCU sub communication trouble (OPE/PCU detection)
		80	PCU-PCU sub communication trouble (PCU detection)
	U2	00	EEPROM read/write error (PCU detection)
		11	Counter check sum error(PCU)
		12	Adjustment value check sum error (PCU)
		20	EEPROM read/write error (ICU)
		21	Counter check sum error (ICU)
		22	Adjustment value check sum error (ICU)
		30	Manufacturing No. data discrepancy
	U4	00	ADU communication trouble
		02	ADU alignment plate operation abnormality
		12	ADU transport motor trouble
	U5	00	ADF communication trouble
		01	ADF resist sensor error
		02	ADF repulsion sensor error
		03	ADF timing sensor error
		11	Paper fed motor operation trouble
AR-C150, AR-C250, AR-C160	U6	09	LCC lift motor trouble
		20	LCC communication trouble
		21	LCC transport motor trouble
		22	LCC 24V power abnormality
AR-C100, AR-C150, AR-C250, AR-C160	U7	00	RIC communication trouble
	UC	00	CPT board communication trouble
		01	CPT board program hung up
		02	CPT board ASIC abnormality
		03	CPT board ROM abnormality
		04	CPT board RAM abnormality
		05	CPT board model code abnormality



22 - 10

Purpose	Operation data output/Check (Display/Print)
Function (Purpose)	Used to check the system configuration (option, internal hardware). (AR-C150/C250)
Item	Specifications Options
Operation/ Procedure	This simulation allows to check the system configuration. The devices and the option units which are installed are displayed with the model names, etc.

	Display	Content
DF	-----	Document feed unit not installed
	AR-RF1	Document feed unit (RADF) installed
ADU	-----	Duplex module not installed
	AR-DU2 (N)	Duplex module installed
CAS	-----	Cassette not installed
	AR-CS2 (N)	Cassette installed
OUTOUT	-----	After-treatment unit not installed
	AR-SS2	20-bin staple sorter installed
	AR-FN4	Finisher installed
LCC	-----	Large capacity paper feed tray not installed
	AR-LC2 (N)	Large capacity paper feed tray installed
PRINTER	-----	Printer expansion kit not installed
	AR-PE1/PE2	Printer expansion kit (Japan) installed



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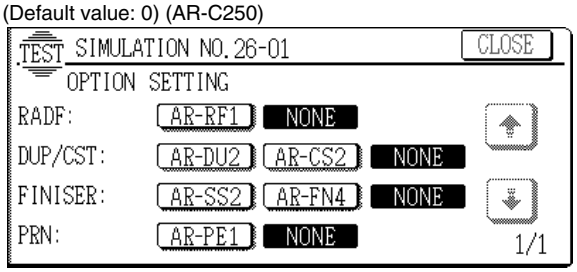
26 - 1

Purpose	Setting
Function (Purpose)	Used to make option setup. (When installing an option, this simulation is used to setup for that option (software). (AR-C150/C250/C160)
Item	Specifications Options
Operation/ Procedure	Enter the code number corresponding to the option installation with the 10-key pad and press the [OK] key. When an option is installed or removed, this setting must be changed accordingly. If this setting is improper, an error message is displayed.

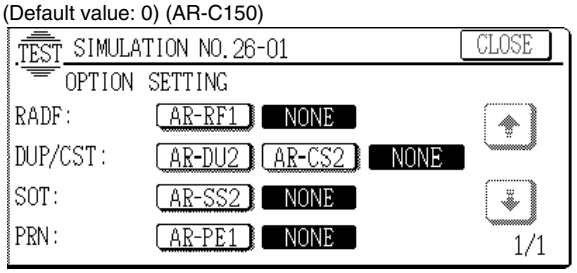
Item	Set value	Connection option
ADF type	0	No connection
	1	AR-RF1
CST type	0	No connection
	1	AR-DU2
CST type	2	AR-CS2
FIN type	0	No connection
	1	AR-SS2
	2	AR-FN4
PRN type	0	No connection
	1	AR-PE1/PE2

Default: 0 (No connection) NONE

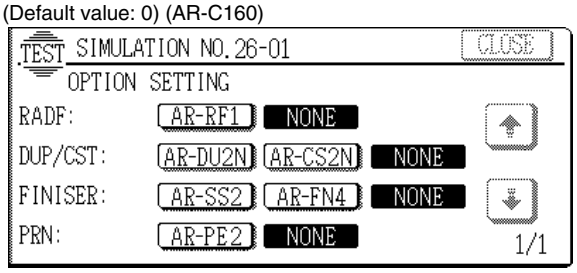
(Default value: 0) (AR-C250)



(Default value: 0) (AR-C150)



(Default value: 0) (AR-C160)



26 - 6

Purpose	Setting
Function (Purpose)	1) Used to set the specifications (paper, fixed copy magnification ratio, machine operations in case of an image (process) correction error) according to the destination. (AR-C150/C250/C160) 2) Used to set the user logo. (AR-C100 only)
Item	Specifications Destination
Operation/ Procedure	

U.S.A.	United States of America
Canada	Canada
Inch	Inch series, other destinations
Japan	Japan
AB_B	AB series (B5 detection) other destinations
Europe	Europe
U.K.	United Kingdom
Aus.	Australia
AB_A	AB series (A5 detection) other destinations

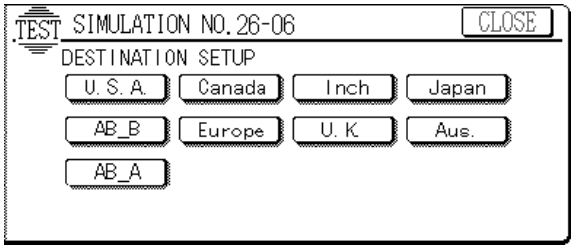
* When the destination is changed with SIM 26-6, the following data are also changed.

(AR-C150)

SIM No.	Content	Set value								
		U.S.A.	Canada	Inch	Japan	AB_B	Europe	U.K.	Aus.	AB_A
SIM26-02	Manual feed paper kind display	2	2	2	0	1	1	1	1	1
SIM26-02	LEGAL set value	0	0	0	0	0	0	0	1	0
SIM26-28	AC power voltage	120	120	120	100	100	230	230	230	230
SIM26-30	CE mark Enable/Disable	0	0	0	0	0	1	1	1	1
SIM26-52	White paper exit count up	1	1	1	0	1	1	1	0	1
SIM43-1A	Normal mode control temperature (HL1)	180	180	180	170	170	180	180	180	180
SIM43-1B	Normal mode control temperature (HL2)	135	135	135	125	125	135	135	135	135
SIM43-1C	Ready state control temperature (HL1)	187	187	187	177	177	187	187	187	187
SIM43-1D	Ready state control temperature (HL2)	142	142	142	132	132	142	142	142	142
SIM26-55	Priority to fusing over image quality in color copy with heavy paper Enable/Disable	1	1	2	2	2	2	2	2	2

(AR-C250)

SIM No.	Content	Set value								
		U.S.A.	Canada	Inch	Japan	AB_B	Europe	U.K.	Aus.	AB_A
SIM26-02	Manual feed paper kind display	2	2	2	0	1	1	1	1	1
SIM26-02	LEGAL set value	0	0	0	0	0	0	0	1	0
SIM26-28	AC power voltage	120	120	120	100	100	230	230	230	230
SIM26-30	CE mark Enable/Disable	0	0	0	0	0	1	1	1	1
SIM26-52	White paper exit count up	1	1	1	0	1	1	1	0	1
SIM26-55	Priority to fusing over image quality in color copy with heavy paper Enable/Disable	1	1	2	2	2	2	2	2	2
SIM48-6C	Fusing motor speed correction value (L)	40	40	40	50	50	40	40	40	40
SIM48-6D	Fusing motor speed correction value (S)	40	40	40	45	45	40	40	40	40
SIM43-1A	Normal mode (HL1)	170	170	170	170	170	170	170	170	170
SIM43-1B	Normal mode (HL2)	125	125	125	140	140	125	125	125	125
SIM43-1C	Ready state (HL1)	177	177	177	177	177	177	177	177	177
SIM43-1D	Ready state (HL2)	132	132	132	140	140	132	132	132	132
SIM43-1E	Energy-save mode (HL1)	136	136	136	136	136	136	136	136	136
SIM43-1F	Reset from the pre-heat mode (HL1)	148	148	148	148	148	148	148	148	148
SIM43-1I	Heavy paper mode 1	200	200	200	200	200	200	200	200	200
SIM43-1J	Heavy paper mode 2	155	155	155	155	155	155	155	155	155



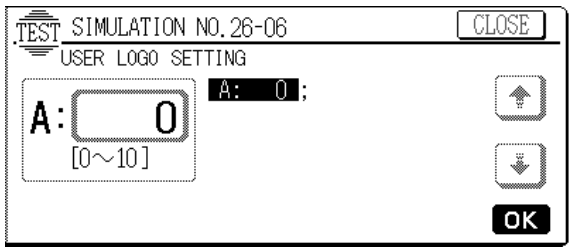
AR-C100

User logo setting

Select the desired logo and press the [OK] key. (Logo displayed on the LCD)

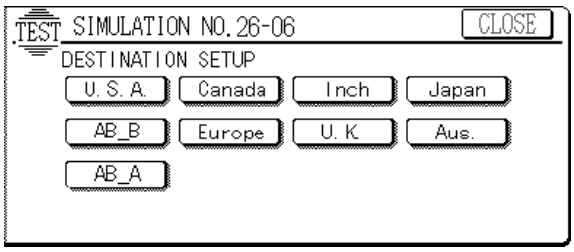
Item	Content	Upper limit	Lower limit	Default value
A	User logo setting	10	0	0

Item	Set value	Content
A	0	Without logo
	1	Family mart
	2	Sunkus
	3	Daily Yamazaki
	4	Camel mart
	5 –10	Without logo



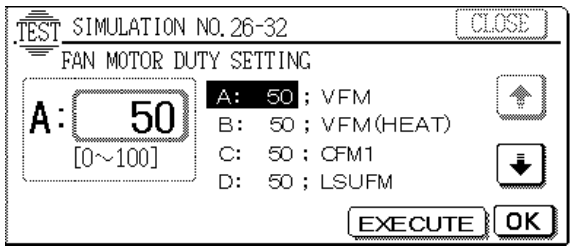
(AR-C160)

SIM No.	Content	Set value								
		U.S.A	Canada	Inch	Japan	AB_B	Europe	U.K.	Aus.	AB_A
SIM26-02	Manual feed paper kind display	2	2	2	0	1	1	1	1	1
SIM26-02	LEGAL set value	0	0	0	0	0	0	0	P	O
SIM26-28	AC power voltage	120	120	120	100	100	230	230	230	230
SIM26-30	CE mark Enable/Disable	0	0	0	0	0	1	1	1	1
SIM26-52	White paper exit count up	1	1	1	0	1	1	1	O	1
SIM26-55	Thick paper image process mode setup	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
SIM43-1A	Normal mode control temperature (HL1)	170	170	170	170	170	170	170	170	170
SIM43-1B	Normal mode control temperature (HL2)	125	125	125	125	125	125	125	125	125
SIM43-1C	Ready state control temperature (HL1)	177	177	177	177	177	177	177	177	177
SIM43-1D	eady state control temperature (HL2)	132	132	132	132	132	132	132	132	132
SIM43-1E	Control temperature in the energy-save mode (HL1)	146	146	146	146	146	146	146	146	146
SIM43-1F	Control temperature when resetting from pre-heat to monochrome (HL1)	158	158	158	158	158	158	158	158	158
SIM43-1I	Control temperature in the thick mode 2 (HL1)	200	200	200	200	200	200	200	200	200
SIM43-1J	Control temperature in the thick mode 2 (HL2)	155	155	155	155	155	155	155	155	155
SIM43-1K	OHP mode control temperature (HL1)	180	180	180	180	180	180	180	180	180
SIM43-1L	OHP mode control temperature (HL2)	175	175	175	175	175	175	175	175	175
SIM48-6C	Fusing motor speed correction adjustment value (L)	50	50	50	55	55	50	50	50	50
SIM48-6D	Fusing motor speed correction adjustment value (S)	55	55	55	60	60	55	55	55	55



Default value

VFM : Exhaust fan motor 1 15
VFM (HEAT) : Exhaust fan motor 1 (Pre-heating) 15
CFM1 : Optical cooling fan motor 1 0
LSUFM : LSU cooling fan motor 15
DCFM : DC power cooling fan motor 0
(AR-C160 only)



26 - 32

Purpose	Setting
Function (Purpose)	Used to set the fan rotating speed (low speed).
Item	Operation
Operation/ Procedure	1. Select the fan motor whose speed is to be adjusted with [↑] and [↓] keys and press the [OK] key.

2. Enter the adjustment value with the 10-key.
3. Press the [OK] key.

The adjustment value entered in procedure 2 is set.
In the fan motor low speed rotation mode (ready condition), the rotating speed is controlled with this adjustment value.
The adjustment value means PWM duty %.

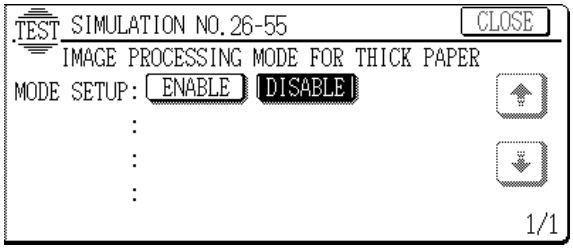
26 - 55

Purpose	Setting
Function (Purpose)	Used to set the fusing capability (image process) in the heavy paper mode. (AR-C150) Used to select the gamma characteristics in the color copy mode. (AR-C250/C160)
Item	Operation
Operation/ Procedure	(AR-C150) Press the ENABLE or the DISABLE key to set. This simulation is used to give priority to the fusing capability over the image quality in color copy with heavy paper.

The quantity of black toner which forms images on the paper is reduced in the image process to have better fusing.
It is advisable to use this setting when poor fusing results from color copy with heavy paper.

When ENABLE (priority to the fusing capability over image quality) is selected, the black density is slightly reduced to shift the color phase. Normally set to DISABLE.

Setup	Operation/Effect	Default
ENABLE	K toner is reduced and the black reproduction is supplemented by Y/M/C toner in image process./Fusing capability is increased when heavy paper is used.	U.S.A./CANADA
DISABLE	Normal image process	Except for U.S.A./CANADA



* In some AR-C100/C150 machines with an old ROM version, this simulation is added from the middle of the production.
In the AR-C150 machines with an old ROM version, upgrading of the ROM version allows to perform this simulation.

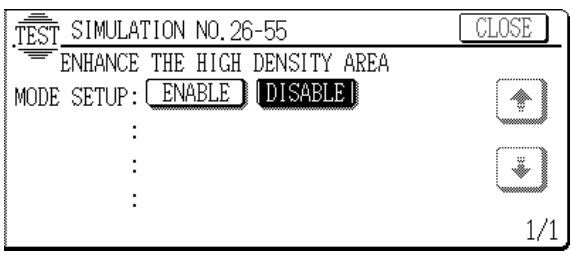
PCU MAIN PWB	Flash ROM	later than 5.07
OPERATION PWB	Flash ROM	later than 5.05
ICU MAIN PWB	Flash ROM	later than 5.09

(AR-C250/C160)

Press the ENABLE / DISABLE key to select.

This is used to set the order of priority between sharpness and gradation in the color copy mode. Setup is made by changing the gamma in the high density area.

Setup	Operation/Effect	Default
ENABLE	The contrast in the color copy mode is increased. (Priority is given to sharpness.)	UK (AR-C250)
DISABLE	Normal gamma (Priority is given to gradation.)	Except for UK (AR-C250) / (AR-C160)



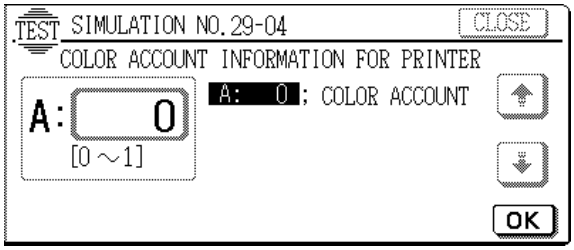
29

29 - 4

Purpose	Setting
Function (Purpose)	Used to set the print count system in the printer mode. (AR-C150/C250/C160)
Section	Memory
Item	Counter
Operation/ Procedure	

Item	Content	Upper limit	Lower limit	Default value
A	Used to set whether to count all the pages as color print pages or to count color pages and monochrome pages separately in the printer mode when a print job of mixed documents of color pages and monochrome pages is performed.	1	0	0

Item	Set value	Content
A	0	All pages are counted as color pages. (All pages are counted as color print pages.)
	1	Color pages and monochrome pages are counted separately.



43

43 - 1

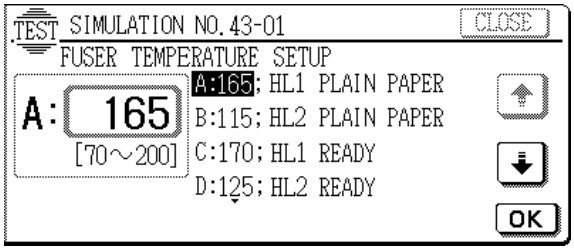
Purpose	Setting
Function (Purpose)	Used to set the fusing temperature in each operation mode.
Section	Fixing (Fusing)
Item	Operation
Operation/ Procedure	1. Select the kind of lamps and the operation mode with [↑], [↓] keys. 2. Enter the set value with the 10-key. 3. Press the [OK] key to set the fusing temperature set in procedure 2.

(AR-C100/C150)

Display	Content	Set range	Set value									NOTE
			U.S.A	Canada	Inch	Japan	AB_B	Europe	U.K	Aus.	AB_A	
A: HL1 PLAIN PAPER	Normal mode contrl temperature (HL1)	70 to 200	180	180	180	170	170	180	180	180	180	
B: HL2 PLAIN PAPER	Normal mode contrl temperature (HL2)	70 to 200	135	135	135	125	125	135	135	135	135	
C: HL1 READY	Ready state control temperature (H1)	70 to 200	187	187	187	177	177	187	187	187	187	
D: HL2 READY	Ready state control temperature (H2)	70 to 200	142	142	142	132	132	142	142	142	142	
E: HL1 E_STAR	Energy save mode control temperature (HL1)	70 to 200	140	140	140	140 (137)	140	140	140	140	140	( ) AR-C100
F: HL1 PRE_BK	Control temperarture (HL1) when resetting to B/W from preheat	70 to 200	155	155	155	155 (152)	155	155	155	155	155	( ) AR-C100
G: HL1 HEAVYPAPER	Heavy paper mode control temperature (HL1)	70 to 200	200	200	200	200	200	200	200	200	200	AR-C150 only
H: HL2 HEAVYPAPER	Heavy paper mode control temperature (HL2)	70 to 200	155	155	155	155	155	155	155	155	155	AR-C150 only
I: HL1 TRANSPARENCY	OHP mode control temperature (HL1)	70 to 200	180	180	180	180	180	180	180	180	180	AR-C150 only
J: HL2 TRANSPARENCY	OHP mode control temperature (HL2)	70 to 200	175	175	175	175	175	175	175	175	175	AR-C150 only

(AR-C250/C160)

Display	Content	Set range	Set value									NOTE
			U.S.A	Canada	Inch	Japan	AB_B	Europe	U.K	Aus.	AB_A	
A: HL1 PLAIN PAPER	Normal mode contrl temperature (HL1)	70 to 200	170	170	170	170	170	170	170	170	170	
B: HL2 PLAIN PAPER	Normal mode contrl temperature (HL2)	70 to 200	125	125	125	140 (125)	140 (125)	125	125	125	125	( ) AR-C160
C: HL1 READY	Ready state control temperature (H1)	70 to 200	177	177	177	177	177	177	177	177	177	
D: HL2 READY	Ready state control temperature (H2)	70 to 200	132	132	132	140 (132)	140 (132)	132	132	132	132	( ) AR-C160
E: HL1 E_STAR	Energy save mode control temperature (HL1)	70 to 200	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	136 (146)	( ) AR-C160
F: HL1 PRE-BK	Control temperarture (HL1) when resetting to B/W from preheat	70 to 200	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	148 (158)	( ) AR-C160
G: HL1 HEAVYPAPER1	Heavy paper 1 mode control temperature (HL1)	70 to 210	185	185	185	185	185	185	185	185	185	
H: HL2 HEAVYPAPER1	Heavy paper 1 mode control temperature (HL2)	70 to 200	155	155	155	155	155	155	155	155	155	
I: HL1 HEAVYPAPER2	Heavy paper 2 mode control temperature (HL1)	70 to 210	200	200	200	200	200	200	200	200	200	
J: HL2 HEAVYPAPER2	Heavy paper 2 mode control temperature (HL2)	70 to 200	155	155	155	155	155	155	155	155	155	
K: HL1 TRANSPARENCY	OHP mode control temperature (HL1)	70 to 200	180	180	180	180	180	180	180	180	180	
L: HL2 TRANSPARENCY	OHP mode control temperature (HL2)	70 to 200	175	175	175	175	175	175	175	175	175	



Note | Never set to another value than the specified value (default). (Otherwise, a trouble may occur.)

43 - 7

Purpose	Adjustment
Function (Purpose)	Used to adjust the fusing oil supply amount. (Adjustment of oil motor ON time and oil motor ON interval)
Section	Fixing (Fusing)
Item	Operation
Operation/ Procedure	1. Select the adjustment item with [↑], [↓] keys. **A: ON-TIME** Fusing oil pump ON time [ms] **B: CTRL-CYCLE** Fusing oil pump control cycle [ms]

2. Enter the set value with the 10-key.
3. Press the [OK] key.
   When the [EXECUTE] key is pressed, it is highlighted and the pump is operated with the set content.
   When the [EXECUTE] key is pressed again, the display returns to the normal display and the pump is stopped.

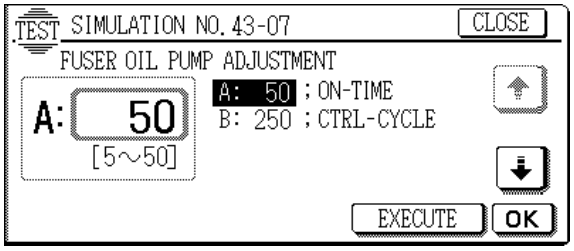
	Range [ms]	Default value
ON-TIME	5 –50	12
CTRL-CYCLE	17 –250	130

(Example) When ON-TIME is 12ms and CTRL-CYCLE is 250ms, 12ms of ON and (250+50) –12ms of OFF are repeated.

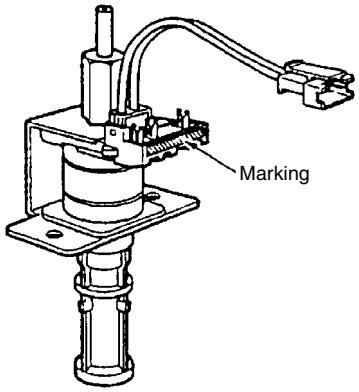
Default

A: ON-TIME 12 [ms]

B: CTRL-CYCLE 130 [ms]



When installing (replacing) this pump, set the pump operation value of Sim 43-7 referring to the marking color shown in the illustration below.



Marking color	Setting of simulation 43-7	
	A	B
Blue	12	80
Red	12	180
None	12	130

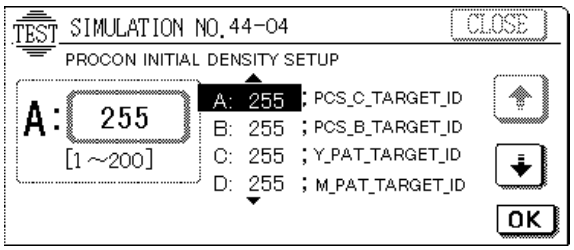
44

44 - 4

Purpose	Setting
Function (Purpose)	Used to set the target image (reference) density level in correction (process correction) operations in the image forming section.
Section	Image process (Photoconductor/Developing/Transfer/Cleaning)
Item	Picture quality Density
Operation/ Procedure	1. Select the adjustment item with [↑], [↓] keys. 2. Enter the set value with 10-key. (255 levels)

3. Press the [OK] key. (The value entered in procedure 2 is set.)

		Default value
Color sensor adjustment reference level	PCSS_C_TARGET_ID	102
Black sensor adjustment reference level	PCS_B_TARGET_ID	133
Yellow reference density level	Y_PAT_TARGET_ID	90
Magenta reference density level	M_PAT_TARGET_ID	100
Cyan reference density level	C_PAT_TARGET_ID	83
Black reference density level	K_PAT_TARGET_ID	15 (AR-C100/C150)
Black reference density level	K_PAT_TARGET_ID	22 (AR-C250/C160)



44 - 9

Purpose	Operation data output/Check (Display/Print)
Function (Purpose)	Used to check the data on the image forming section correction (process correction) (corrected main charger grid voltage, the developing bias voltage, the laser power, etc, in each print mode). (This simulation allows to check if the correction operation is performed normally.)
Section	Image process (Photoconductor/Developing/Transfer/Cleaning)
Item	Data Operation data (Machine condition)
Operation/ Procedure	1. By scrolling with [↑], [↓] keys, each data of the image forming section correction result.

The greater the difference between the initial value and the current value is, the greater the correction quantity is judged as.

This leads to a supposition that the conditions of consumable parts such as developer and photoconductor may have been degraded.

Page 1 –3 G, B, DV and initial set value in each mode stored in process control

Page 4 Rotating time and the mark number of each drum

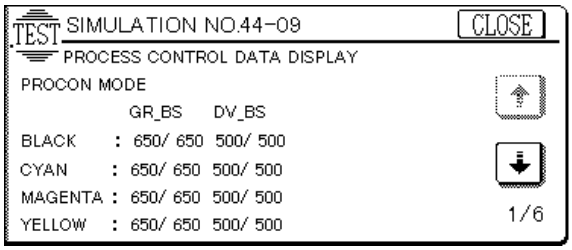
Page 5 Rotating time of each developing unit

Page 6 Humidity environment area (For transfer correction/humidity correction)

[Content]

Process control mode output

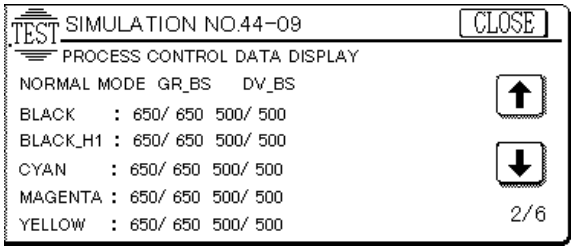
Black	GB current value/GB initial value
Cyan	GB current value/GB initial value
Magenta	GB current value/GB initial value
Yellow	GB current value/GB initial value
Black	DV current value/DV initial value
Cyan	DV current value/DV initial value
Magenta	DV current value/DV initial value
Yellow	DV current value/DV initial value



[Content]

Normal mode output

Black	GB current value/GB initial value
Cyan	GB current value/GB initial value
Magenta	GB current value/GB initial value
Yellow	GB current value/GB initial value
Black	DV current value/DV initial value
Cyan	DV current value/DV initial value
Magenta	DV current value/DV initial value
Yellow	DV current value/DV initial value

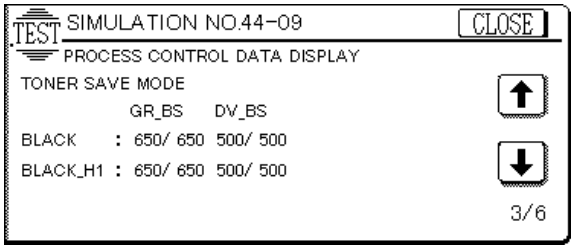

TEST SIMULATION NO.44-09
CLOSE
PROCESS CONTROL DATA DISPLAY
NORMAL MODE GR_BS DV_BS
BLACK : 650/ 650 500/ 500
BLACK_H1 : 650/ 650 500/ 500
CYAN : 650/ 650 500/ 500
MAGENTA : 650/ 650 500/ 500
YELLOW : 650/ 650 500/ 500
2/6

BLACK_H1: (AR-C160 only)

[Content]

Toner save mode output

Black	GB current value/GB initial value
Black	DV current value/DV initial value

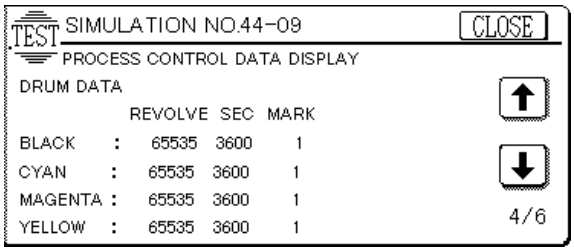


BLACK_H1: (AR-C160 only)

[Content]

Drum data

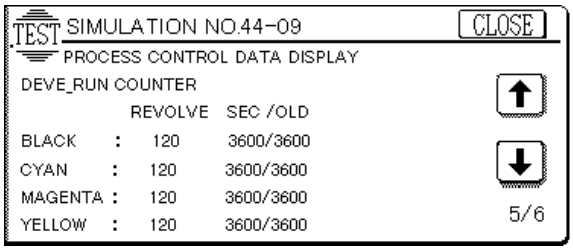
Black	Drum rotation (hour)	Drum rotation (sec)
Cyan	Drum rotation (hour)	Drum rotation (sec)
Magenta	Drum rotation (hour)	Drum rotation (sec)
Yellow	Drum rotation (hour)	Drum rotation (sec)



[Content]

Developer counter

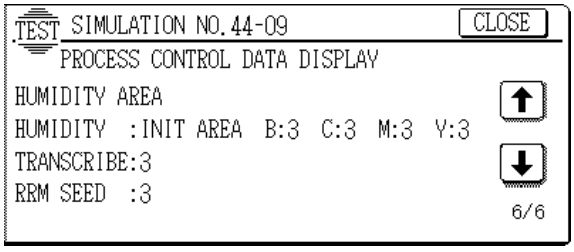
Black	Developer operating rotation (hour)	Developer operating rotation sec/Previous count up time (sec)
Cyan	Developer operating rotation (hour)	Developer operating rotation sec/Previous count up time (sec)
Magenta	Developer operating rotation (hour)	Developer operating rotation sec/Previous count up time (sec)
Yellow	Developer operating rotation (hour)	Developer operating rotation sec/Previous count up time (sec)



[Content]

Humidity environment area

Humidity	correction present area
Humidity	Initial area (Toner density ADJ)
Transfer	correction present area
RRM speed correction	correction present area



46

46 - 10

Purpose	Adjustment
Function (Purpose)	Used to set the copy color balance (gamma for each color). (Color/Text Photo mode). (AR-C100/ C150) Used to adjust the copy color balance (gamma for each color). (Color/Copy document mode) (AR-C250/C160)
Section	ICU
Item	Picture quality Color balance
Operation/ Procedure	1. Select the color to be adjusted with the color keys (K, C, M, Y).

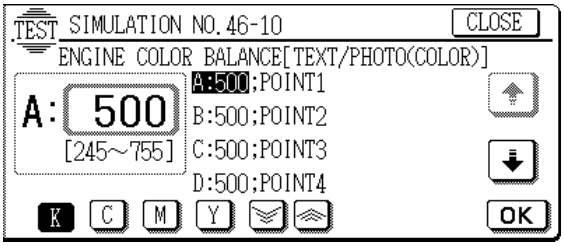
2. Select the adjustment point with [↑], [↓] keys.
3. Enter the adjustment value of the selected point with the 10-key.

4. Press the [OK] key.
(The entered value is set.)

(AR-C100/C150)

<SIM46-10 Data detail>

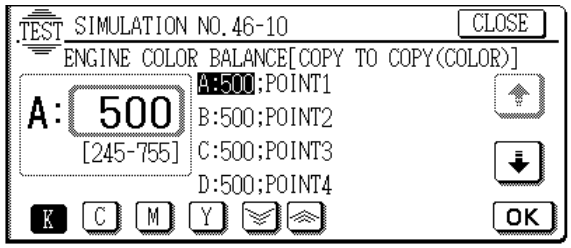
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black density 0 for text/Printed photo
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black density 14 for text/Printed photo
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 0 for text/Printed photo
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 14 for text/Printed photo
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 0 for text/Printed photo
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 14 for text/Printed photo
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 0 for text/Printed photo
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 14 for text/Printed photo



(AR-C250)

<SIM46-10 Data detail>

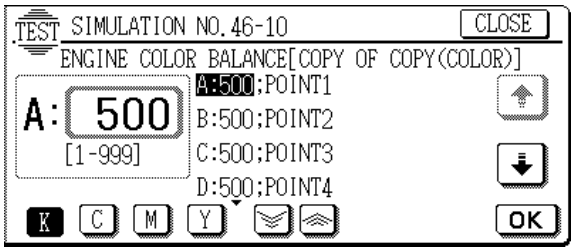
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Copy document mode black density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Copy document mode black density 14
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Copy document mode cyan density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Copy document mode cyan density 14
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Copy document mode magenta density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Copy document mode magenta density 14
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Copy document mode yellow density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Copy document mode yellow density 14



(AR-C160)

<SIM46-10 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Copy document mode black density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Copy document mode black density 14
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Copy document mode cyan density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Copy document mode cyan density 14
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Copy document mode magenta density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Copy document mode magenta density 14
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Copy document mode yellow density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Copy document mode yellow density 14



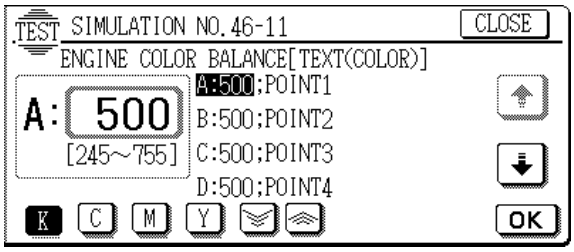
46 - 11

Purpose	Adjustment
Function (Purpose)	Used to set the copy color balance (gamma for each color). (Color/Text mode) (AR-C150/C250/C160)
Section	ICU
Item	Picture quality Color balance
Operation/ Procedure	1. Select the color to be adjusted with the color keys (K, C, M, Y). 2. Select the adjustment point with [↑], [↓] keys. 3. Enter the adjustment value of the selected point with the 10-key. 4. Press the [OK] key. (The entered value 2 is set.)

(AR-C150/C250)

<SIM46-11 Data detail>

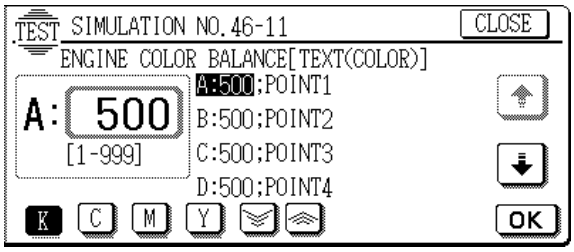
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black density 0 for text
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black density 14 for text
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 0 for text
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 14 for text
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 0 for text
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 14 for text
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 0 for text
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 14 for text



(AR-C160)

<SIM46-11 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: black density 0 for text
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: black density 14 for text
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: cyan density 0 for text
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: cyan density 14 for text
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: magenta density 0 for text
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: magenta density 14 for text
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: yellow density 0 for text
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: yellow density 14 for text



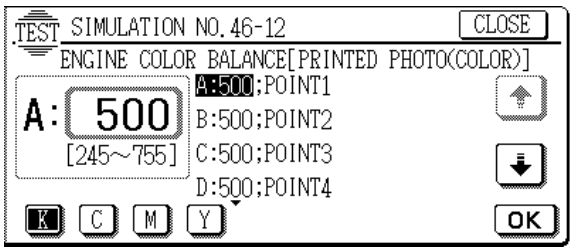
46 - 12

Purpose	Adjustment
Function (Purpose)	Used to set the copy color balance (gamma for each color). (Color/Printed Photo mode) (AR-C150) Used to adjust the copy color balance (gamma for each color). (Color/Text Printed Photo/Printed Photo mode) (AR-C250/C160)
Section	ICU
Item	Picture quality Color balance
Operation/ Procedure	1. Select the color to be adjusted with the color keys (K, C, M, Y). 2. Select the adjustment point with [↑], [↓] keys. 3. Enter the adjustment value of the selected point with the 10-key. 4. Press the [OK] key. (The entered value 2 is set.)

(AR-C150)

<SIM46-12 Data detail>

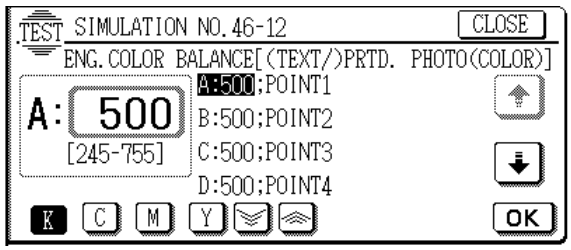
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black density 0 for printed photo
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black density 14 for printed photo
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 0 for printed photo
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 14 for printed photo
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 0 for printed photo
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 14 for printed photo
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 0 for printed photo
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 14 for printed photo



(AR-C250)

<SIM46-12 Data detail>

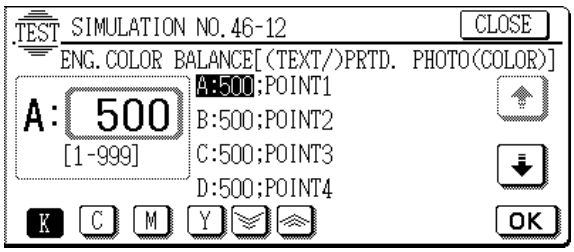
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo black density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo black density 14
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo cyan density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo cyan density 14
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo magenta density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo magenta density 14
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo yellow density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo yellow density 14



(AR-C160)

<SIM46-12 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo black density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo black density 14
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo cyan density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo cyan density 14
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo magenta density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo magenta density 14
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo yellow density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Text Printed Photo/Printed Photo yellow density 14



46 - 13

Purpose	Adjustment
Function (Purpose)	Used to set the copy color balance (gamma for each color). (Color/Photo mode) (AR-C100/C150) Used to adjust the copy color balance (gamma for each color). (Color/Text Photo/Photograph mode) (AR-C250/C160)
Section	ICU
Item	Picture quality Color balance
Operation/ Procedure	1. Select the color to be adjusted with the color keys (K, C, M, Y).

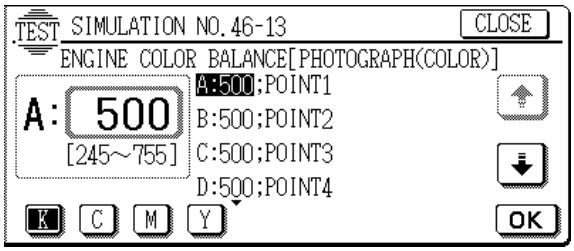
2. Select the adjustment point with [↑], [↓] keys.
3. Enter the adjustment value of the selected point with the 10-key.
4. Press the [OK] key.
   (The entered value 2 is set.)

(AR-C150)

<SIM46-13 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black density 0 for photograph
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black density 14 for photograph
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 0 for photograph
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 14 for photograph
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 0 for photograph
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 14 for photograph

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 0 for photograph
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 14 for photograph

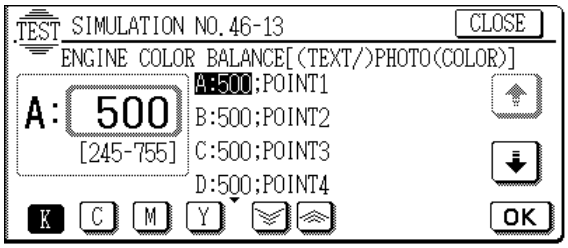


(AR-C250)

<SIM46-13 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Text Photo/Photo black density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Text Photo/Photo black density 14
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Text Photo/Photo cyan density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Text Photo/Photo cyan density 14
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Text Photo/Photo magenta density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Text Photo/Photo magenta density 14
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Text Photo/Photo yellow density 0
↓	↓	↓	↓	↓	↓

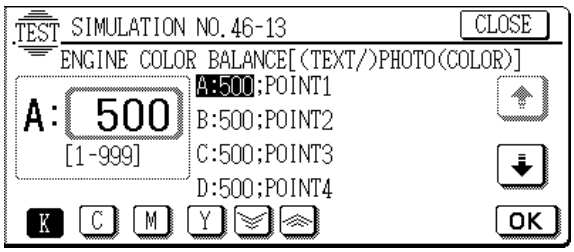
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Text Photo/Photo yellow density 14



(AR-C160)

<SIM46-13 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Text Photo/Photo black density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Text Photo/Photo black density 14
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Text Photo/Photo cyan density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Text Photo/Photo cyan density 14
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Text Photo/Photo magenta density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Text Photo/Photo magenta density 14
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Text Photo/Photo yellow density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Text Photo/Photo yellow density 14



46 - 14

Purpose	Adjustment
Function (Purpose)	Used to set the copy color balance (gamma for each color). (Color/Map mode) (AR-C150/C250/C160)
Section	ICU
Item	Picture quality Color balance
Operation/ Procedure	1. Select the color to be adjusted with the color keys (K, C, M, Y).

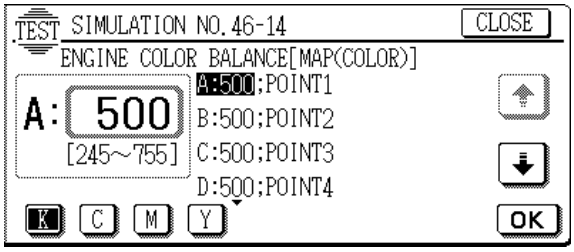
2. Select the adjustment point with [↑], [↓] keys.
3. Enter the adjustment value of the selected point with the 10-key.
4. Press the [OK] key.
   (The entered value 2 is set.)

(AR-C150/C250)

<SIM46-14 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black density 0 for map
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black density 14 for map
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 0 for map
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 14 for map
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 0 for map
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 14 for map

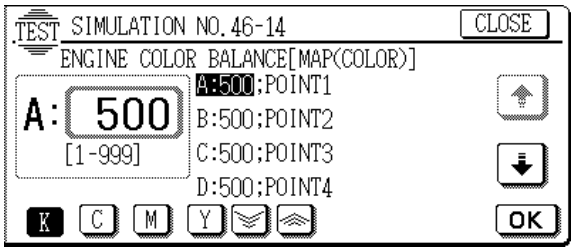
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 0 for map
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 14 for map



(AR-C160)

<SIM46-14 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: black density 0 for map
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: black density 14 for map
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: cyan density 0 for map
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: cyan density 14 for map
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: magenta density 0 for map
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: magenta density 14 for map
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: yellow density 0 for map
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: yellow density 14 for map



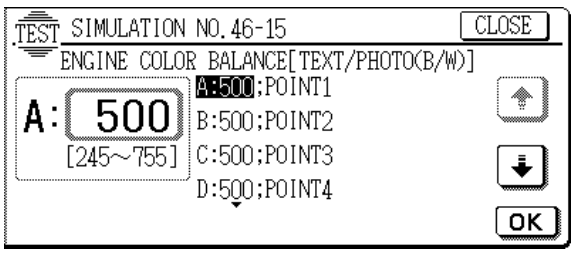
46 - 15

Purpose	Adjustment
Function (Purpose)	Used to adjust the copy density (gamma). (Monochrome/Text Photo mode) (AR-C100/ C150) Used to adjust the copy density (gamma). (Monochrome/Copy document mode) (AR-C250/C160)
Section	ICU
Item	Picture quality Density
Operation/ Procedure	1. Select the adjustment point with [↑], [↓] keys. 2. Enter the adjustment value of the selected point with the 10-key. 3. Press the [OK] key. (The entered value 2 is set.)

(AR-C100/C150)

<SIM46-15 Data detail>

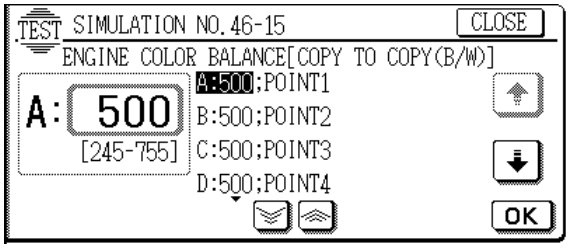
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black B/W density 0 for text/printed photo
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black B/W density 14 for text/printed photo



(AR-C250)

<SIM46-15 Data detail>

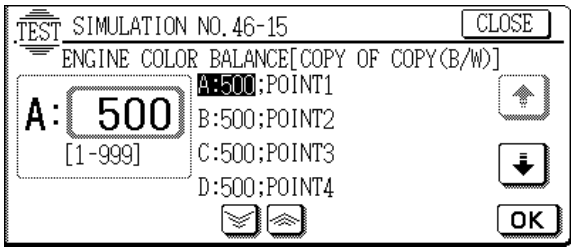
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Copy document mode black B/W density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Copy document mode black B/W density 14



(AR-C160)

<SIM46-15 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Copy document mode black B/W density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Copy document mode black B/W density 14



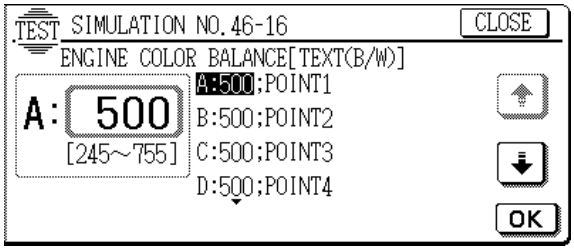
46 - 16

Purpose	Adjustment
Function (Purpose)	Used to adjust the copy density (gamma). (Monochrome/Test mode) (AR-C150/C250/C160)
Section	ICU
Item	Picture quality Density
Operation/ Procedure	1. Select the adjustment point with [↑], [↓] keys. 2. Enter the adjustment value of the selected point with the 10-key. 3. Press the [OK] key. (The entered value is set.)

(AR-C150/C250)

<SIM46-16 Data detail>

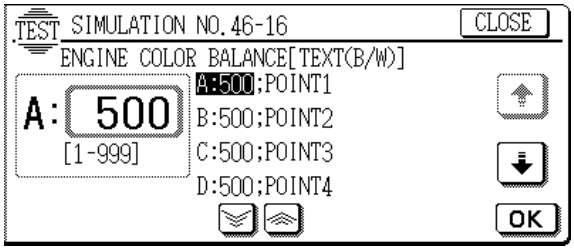
Disp Pos	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black B/W density 0 for text
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black B/W density 14 for text



(AR-C160)

<SIM46-16 Data detail>

Disp Pos	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: black B/W density 0 for text
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: black B/W density 14 for text



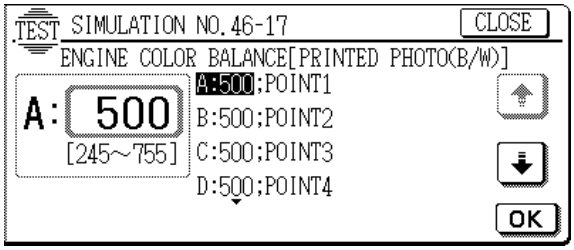
46 - 17

Purpose	Adjustment
Function (Purpose)	Used to adjust the copy density (gamma). (Monochrome/Printed Photo mode) (AR-C150) Used to adjust the copy density (gamma). (Monochrome/Text Printed Photo/Printed Photo mode) (AR-C250/C160)
Section	ICU
Item	Picture quality Density
Operation/ Procedure	1. Select the adjustment point with [↑], [↓] keys. 2. Enter the adjustment value of the selected point with the 10-key. 3. Press the [OK] key. (The entered value is set.)

(AR-C150)

<SIM46-17 Data detail>

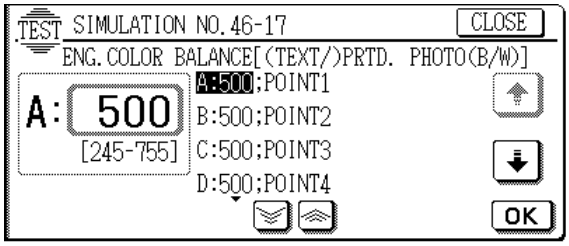
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black B/W density 0 for printed photo
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black B/W density 14 for printed photo



(AR-C250)

<SIM46-17 Data detail>

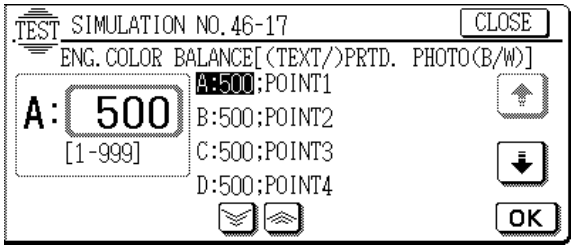
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Text Printed photo/Printed Photo black B/W density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Text Printed photo/Printed Photo black B/W density 14



(AR-C160)

<SIM46-17 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Text Printed photo/Printed Photo black B/W density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Text Printed photo/Printed Photo black B/W density 14



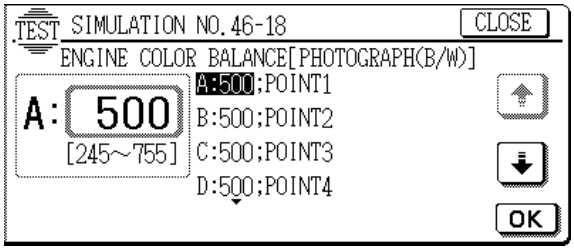
46 - 18

Purpose	Adjustment
Function (Purpose)	Used to adjust the copy density (gamma). (Monochrome/Photo mode) (AR-C100/C150) Used to adjust the copy density (gamma). (Monochrome/Text Photo/Photo mode) (AR-C250/ C160)
Section	ICU
Item	Picture quality Density
Operation/ Procedure	1. Select the adjustment point with [↑], [↓] keys. 2. Enter the adjustment value of the selected point with the 10-key. 3. Press the [OK] key. (The entered value is set.)

(AR-C100/C150)

<SIM46-18 Data detail>

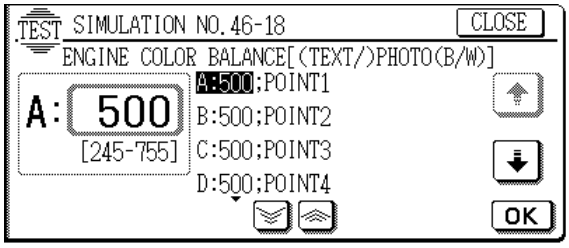
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black B/W density 0 for photograph
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black B/W density 14 for photograph



(AR-C250)

<SIM46-18 Data detail>

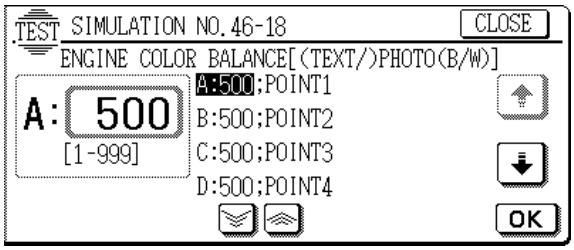
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: Text Photo/Photo black B/W density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: Text Photo/Photo black B/W density 14



(AR-C160)

<SIM46-18 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: Text Photo/Photo black B/W density 0
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: Text Photo/Photo black B/W density 14



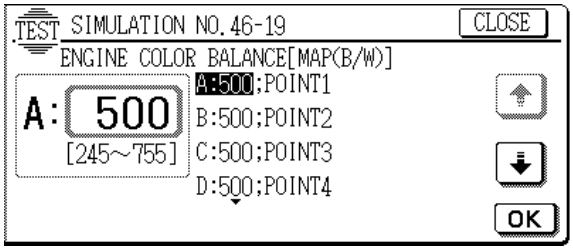
46 - 19

Purpose	Adjustment
Function (Purpose)	Used to adjust the copy density (gamma). (Monochrome/Map mode)(AR-C150/C250/C160)
Section	ICU
Item	Picture quality Density
Operation/ Procedure	1. Select the adjustment point with [↑], [↓] keys. 2. Enter the adjustment value of the selected point with the 10-key. 3. Press the [OK] key. (The entered value is set.)

(AR-C150/C250)

<SIM46-19 Data detail>

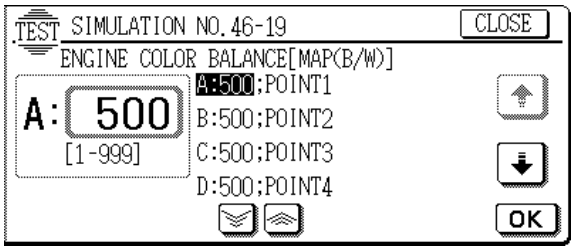
Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black B/W density 0 for map
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black B/W density 14 for map



(AR-C160)

<SIM46-19 Data detail>

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: black B/W density 0 for map
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: black B/W density 14 for map



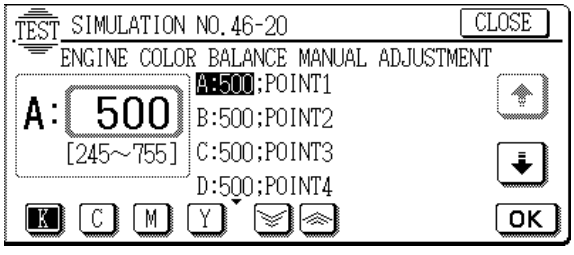
46 - 20

Purpose	Adjustment
Function (Purpose)	Used to adjust the copy density (gamma). (Color/ All modes) (The copy color balances (gamma) in all copy modes are changed.) The operations are the same as SIM 46-21, but printing is not performed.
Section	ICU
Item	Picture quality Color balance
Operation/ Procedure	1. Select the color to be adjusted with the color keys (K, C, M, Y). 2. Select the adjustment point with [↑], [↓] keys. 3. Enter the adjustment value of the selected point with the 10-key.

4. Press the [OK] key.
   (The entered value is set.)
5. Press the [EXECUTE] key.
   The color balance adjustment test pattern corresponding to the entered adjustment value is printed.

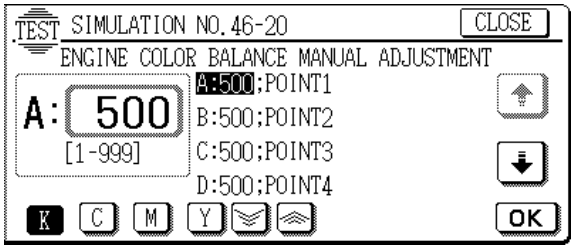
(AR-C150/C250)

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black density 14 for all
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 14 for all
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 14 for all
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 14 for all



(AR-C160)

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: black density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: black density 14 for all
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: cyan density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: cyan density 14 for all
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: magenta density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	999	Half tone reference correction table S46 correction quantity: magenta density 14 for all
A	POINT1	500	245	999	Half tone reference correction table S46 correction quantity: yellow density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	999	Half tone reference correction table S46 correction quantity: yellow density 14 for all



46 - 21

Purpose	Adjustment
Function (Purpose)	Used to adjust the copy color balance (gamma). (Color/All modes) (The color balance (gamma) in all the copy modes is changed.) Printing is performed while adjustment.
Section	ICU
Item	Picture quality Color balance

Operation/ Procedure

1. Select the color to be adjusted with the color keys (K, C, M, Y).
2. Select the adjustment point with [↑], [↓] keys.
3. Enter the adjustment value of the selected point with the 10-key.
4. Press the [OK] key.
   (The entered value is set.)
5. Press the [EXECUTE] key.
   The color balance adjustment test pattern corresponding to the entered adjustment value is printed.

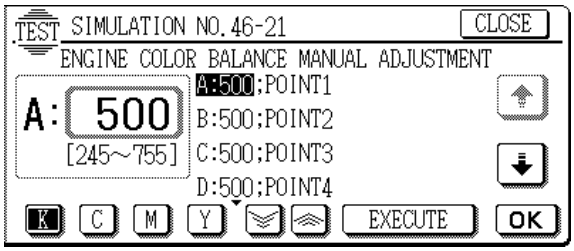
(AR-C150/C250)

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: black density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: black density 14 for all
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: cyan density 14 for all
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: magenta density 14 for all
A	POINT1	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	245	755	Half tone reference correction table S46 correction quantity: yellow density 14 for all

Common to all colors

Disp Chara	Default Value	Min Value	Max Value	Contents
COPIES	1	1	999	Number of sheets of self print
PAPER SEL:***	2	1	6	Paper feed tray when self print is executed

***: The display item differs depending on the data value.



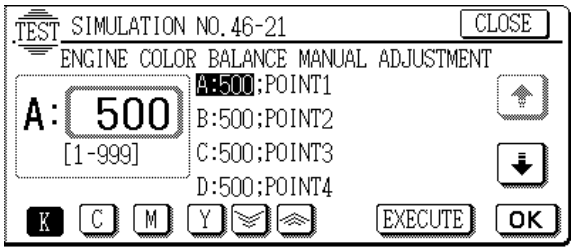
(AR-C160)

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: black density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: black density 14 for all
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: cyan density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: cyan density 14 for all
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: magenta density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: magenta density 14 for all
A	POINT1	500	1	999	Half tone reference correction table S46 correction quantity: yellow density 0 for all
↓	↓	↓	↓	↓	↓
O	POINT15	500	1	999	Half tone reference correction table S46 correction quantity: yellow density 14 for all

Common to all colors

Disp Chara	Default Value	Min Value	Max Value	Contents
COPIES	1	1	999	Number of sheets of self print
PAPER SEL:***	2	1	6	Paper feed tray when self print is executed

***: The display item differs depending on the data value.



Note	Do not change the setting in normal cases.

46 - 27

Purpose	Adjustment
Function (Purpose)	Used to adjust the black toner component image gamma. (Adjustment of the reproduction capability of black characters and lines) (AR-C250/C160)
Section	ICU
Item	Picture quality
Operation/ Procedure	1. Enter the adjustment value with the 10-key. 2. Press the [OK] key.

This simulation is used to adjust the reproduction capability of black characters and black line edge areas by varying the gamma of black toner component image. Especially thin black characters and lines are affected by this adjustment.

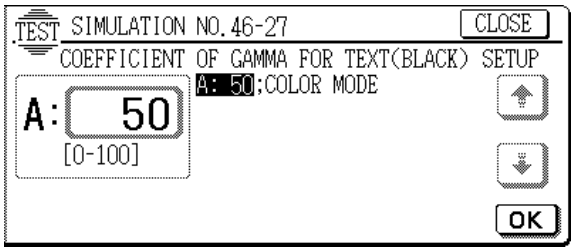
Note that the black toner component image quantity differs depending on each copy mode. When checking the result of this adjustment, therefore, be careful of the selected copy mode. It is advisable to use the Text/Printed Photo copy mode for this adjustment.

The greater the adjustment value is, the darker the black toner component (edge area) image is, and vice versa.

Set to normally default value.

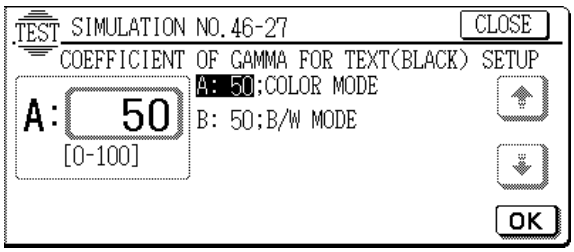
(AR-C250)

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	COLOR MODE	50	0	100	Set value of calculation coefficient of black text engine, gamma curve (color)



(AR-C160)

Disp PosNo.	Disp Chara	Default Value	Min Value	Max Value	Contents
A	COLOR MODE	70	0	100	Set value of calculation coefficient of black text engine, gamma curve (color)
B	B/W MODE	50	0	100	Set value of calculation coefficient of black text engine, gamma curve (monochrome)



48

48 - 6

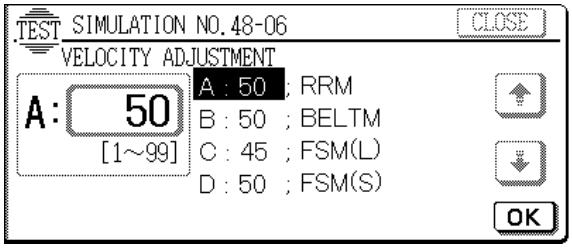
Purpose	Adjustment
Function (Purpose)	Used to adjust each motor rotating speed.
Item	Operation
Operation/ Procedure	1. Select the motor to be adjusted with [↑], [↓] keys. 2. Enter the adjustment value with the 10-key. 3. Press the [OK] key.

A. RRM Resist motor speed correction value
B. BELTM Belt transport motor speed correction value
C. FSM (L) Fusing motor speed correction value (Larger than B4)
D. FSM (S) Fusing motor speed correction value (Smaller than B4)
E. DM(BK) Drum motor speed correction value (Black)
F. DM(CL) Drum motor speed correction value (Color)
G. PFM PFM speed adjustment value (AR-C160 only)
H. DVKM Black developing motor speed correction adjustment value (AR-C160 only)
I. DVCM Color developing motor speed correction adjustment value (AR-C160 only)

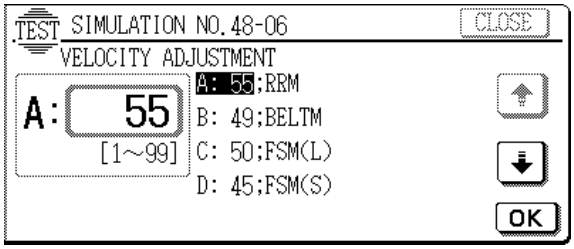
The speed is adjusted in the range of 1 – 99 with 50 as the reference value.

RPM: The smaller the set value is, the slower the speed is. ±1 for about 0.1% change
BELTM: The smaller the set value is, the slower the speed is. ±1 for about 0.1% change
FSM (L): The smaller the set value is, the slower the speed is. ±1 for about 0.1% change
FSM (S): The smaller the set value is, the slower the speed is. ±1 for about 0.1% change
DM(BK): The smaller the set value is, the higher the speed is. ±1 for about 0.15% change
DM(CL): The smaller the set value is, the higher the speed is. ±1 for about 0.15% change
PFM: The smaller the set value is, the higher the speed is. ±1 for about 0.1% change
DVKM: The smaller the set value is, the higher the speed is. ±1 for about 0.1% change
DVCM: The smaller the set value is, the higher the speed is. ±1 for about 0.1% change

Item	Default		
	AR-C100/C150	AR-C250	AR-C160
A. RRM	55	55	55
B. BELTM	51	51	51
C. FSM(L)	45	(JAPAN:50 EX JAPAN:40)	(JAPAN:55 EX JAPAN:50)
D. FSM(S)	40	(JAPAN:45 EX JAPAN:40)	(JAPAN:60 EX JAPAN:55)
E. DM(BK)	42	42	42
F. DM(CL)	37	37	37
G. PFM	—	—	50
H. DVKM	—	—	50
I. DVCM	—	—	50



(AR-C160)



51

51 - 2

Purpose	Adjustment
Function (Purpose)	Used to adjust the contact pressure of paper on the resist roller of each section (each paper feed and duplex feed of the copier). (This adjustment is required when the print image position variations are considerably great or when paper jams occur frequently.)
Section	Paper transport (Discharge/Switchback/Transport)
Item	Operation
Operation/ Procedure	1. Select the adjustment mode with [↑],[↓]keys. 2. Enter the adjustment value with the 10-key.

3. Press the [OK] key. (The value entered in procedure 2 is set.)

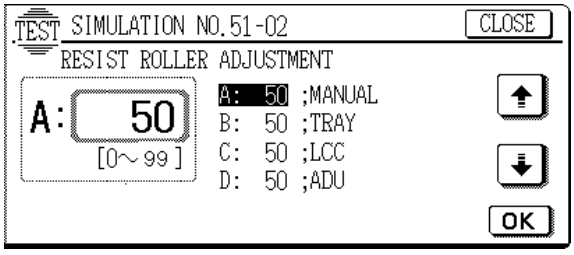
Used to set the resist roller clutch (RRC) ON timing.
When the set value is increased, the timing is delayed and the paper pressure onto the resist roller is increased. When the set value is changed by 1, the timing is changed by about 1.0msec.
The set range is 0 –99 for all.

MANUAL Resist quantity adjustment in manual paper feed (Default: 40)
Resist quantity in the machine tray paper feed Adjustment (Default: 60)

TRAY Resist quantity in high speed transport in the copier and the desk paper feed.

LCC Resist quantity adjustment in high speed transport in LCC paper feed. (Default: 70)

ADU Resist quantity adjustment in ADU paper feed. (Default: 70)



64

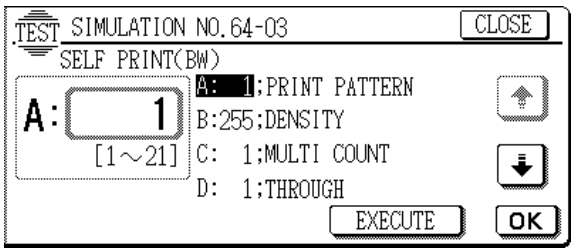
64 - 3

Purpose	Operation test/check
Function (Purpose)	Used to check the operation (self print) of the printer section. (The print pattern, the paper feed mode, the print mode, the print quantity, and the density can be set optionally.) (monochrome) (AR-C160)
Section	Printer
Item	Operation
Operation/ Procedure	1. Select the item with [↑], [↓] keys. 2. Enter the print conditions with the 10-key.

3. Press the [EXECUTE] Key.
The self print pattern is printed.

The print color can be specified: [K] black, [C] cyan, [M] magenta, [Y] yellow.

Item	Display item		Low	Hight	Default value	Description
A	PRINT PATTERN		1	21	1	Self print pattern
	= 1					Gradation sub scanning direction (input process)
	= 2					Gradation main scanning direction (input process)
	= 3					Grid (input process)
	= 4					Gradation pattern: 255, 0 –254, increment of 1 gradation
	= 5					Grid (Half tone)
	= 6					Gradation sub scanning direction (Half tone): 16 steps, 16 intervals, 15 start
	= 7					Gradation main scanning direction (Half tone): 16 steps, 16 intervals, 15 start
	= 8					Equal pitch pattern sub scanning direction 1 by 4
	= 9					Equal pitch pattern main scanning direction 1 by 4
	=10					Equal pitch pattern sub scanning direction 2 by 6
	=11					Equal pitch pattern main scanning direction 2 by 6
	=12					Gradation sub scanning direction (Half tone): 16 steps 2 intervals
	=13					All surface (HT)
	=14					Cross pattern (sub scanning direction)
	=15					Cross pattern (main scanning direction)
	=16					Black color print main scanning direction
	=17					Black color 10% (A4, A4R) density print
	=18					Dot print (input process)
	=19					Gradation pattern: 255, 0 –254, increment of 1 gradation, (Text 1 × 1)
	=20					For ICU monitor software setup LSU memory (without input DMA start) (Not operating)
	=21					For ICU monitor software setup PG (with input DMA start) (Not operating)
	=22					Print lattice pattern (25 MHz)
B	DENSITY		1	255	255	Gradation level
C	MULTI COUNT		1	999	1	Self print quantity setting
D	EXPO:		1	11	1	Density mode
	= 1	THROUGH				No process (through)
	= 2	CHAR/PIC AUTO				Test/Printed Photo Auto
	= 3	CHAR/PIC MANUAL				Text/Printed Photo Manual
	= 4	CHAR/PRPIC AUTO				Text/Photo Auto
	= 5	CHAR/PRPIC MANU				Text/Photo Manual
	= 6	CHAR AUTO				Text Auto
	= 7	CHAR MANUAL				Text manual
	= 8	PRINT PIC				Printed Photo
	= 9	PRINT PAPER				Photo
	= 10	MAP				Map
	= 11	STANDARD DITHA				Dither without correction
E	PAPER:		1	6	3	Cassette selection
	= 1	MANUAL				Manual paper feed
	= 2	CAS1				Cassette 1
	= 3	CAS2				Cassette 2 (Default)
	= 4	CAS3				Cassette 3
	= 5	CAS4				Cassette 4
	= 6	LCC				LCC
F	DUPLEX		1	2	1	Duplex print select
	= 1	NO				Single
	= 2	YES				Duplex



[10] SELF DIAG MESSAGE AND TROUBLESHOOTING

5. List

Main code	Sub code	Title (Content)	Section	Operation mode	Remedy	NOTE
A0	0	ROM trouble (PCU MAIN PWB)	PCU MAIN PWB	When POWER ON	Power OFF/ON	
C1	10	Main charger trouble (BLACK)	Image process	Warm-up / Initialize	Power Source-ON	
C1	11	Main charger trouble (CYAN)	Image process	Warm-up / Initialize	Power Source-ON	
C1	12	Main charger trouble (MAGENTA)	Image process	Warm-up / Initialize	Power Source-ON	
C1	13	Main charger trouble (YELLOW)	Image process	Warm-up / Initialize	Power Source-ON	
EE	EL	Toner concentration reference control level setup trouble (Overtoner)	Image process (Developing)	SIM 25-2	Power Source-ON	
EE	EU	Toner concentration reference control level setup trouble (Undertoner)	Image process (Developing)	SIM 25-2	Power source-ON	
E7	10	Shading trouble (Black correction)	Scanner (reading) /ICU SCAN PWB	Warm-up / Initialize	Power source-ON	
E7	11	Shading trouble (White correction)	Scanner (reading) /ICU SCAN PWB	Warm-up / Initialize	Power source-ON	
E7	20	Laser beam sensor trouble (BLACK)	Scanner (writing)	All modes	Power source-ON	
E7	21	Laser beam sensor trouble (CYAN)	Scanner (writing)	All modes	Power source-ON	
E7	22	Laser beam sensor trouble (MAGENTA)	Scanner (writing)	All modes	Power source-ON	
E7	23	Laser beam sensor trouble (YELLOW)	Scanner (writing)	All modes	Power source-ON	
E7	24	Laser beam detection trouble (BLACK)	Scanner (writing)	All modes	Power source-ON	
E7	25	Laser beam detection trouble (CYAN)	Scanner (writing)	All modes	Power source-ON	
E7	26	(Laser beam detection trouble (MAGENTA)	Scanner (writing)	All modes	Power source-ON	
E7	27	Laser beam detection trouble (YELLOW)	Scanner (writing)	All modes	Power source-ON	
E7	30	ICU PWB FLASH ROM trouble	ICU MAIN PWB	Warm-up / Initialize	Power source-ON	
E7	90	ICU MAIN PWB - PCU MAIN PWB communication trouble (PCU side detection)	ICU MAIN PWB / PCU MAIN PWB	All modes	Power source-ON	
E8	0	ICU MAIN PWB - PCU MAIN PWB communication trouble (PCU side detection)	ICU MAIN PWB / PCU MAIN PWB	All modes	Power source-ON	
E8	1	ICU MAIN PWB - PCU MAIN PWB communication trouble (PCU side detection)	ICU MAIN PWB / PCU MAIN PWB	All modes	Power source-ON	
F1	0	Communication trouble between PCU MAIN PWB - Finisher control PWB (Detected by PCU MAIN PWB)	PCU MAIN PWB / Finisher control PWB	When power ON / initial operation	Power OFF/ON	
F1	2	Finisher paper exit trouble (Finisher side detection)	Finisher paper exit	When power ON / initial operation	Power OFF/ON	
F1	10	Finisher staple trouble (Finisher side detection)	Finisher stapler	When stapling	Power OFF/ON	
F1	11	Finisher bundle process trouble (Finisher side detection)	Finisher paper exit	When power ON / initial operation	Power OFF/ON	
F1	15	Finisher tray lift trouble (Finisher side detection)	Finisher tray lift	All modes	Power OFF/ON	
F1	19	Finisher alignment trouble (Front side) (Finisher side detection)	Finisher alignment	When POWER ON	Power OFF/ON	
F1	20	Finisher alignment trouble (Rear side) (Finisher side detection)	Finisher alignment	When POWER ON	Power OFF/ON	
F1	70	PCU PWB - sorter control PWB communication trouble (PCU detection)	Sorter / PCU MAIN PWB	Warm-up / Initialize	Power source-ON	

Main code	Sub code	Title (Content)	Section	Operation mode	Remedy	NOTE
F1	80	Sorter power abnormality (Sorter side detection)	Sorter	All modes	Power source-ON	
F1	81	Sorter transport motor trouble (Sorter side detection)	Sorter	Sort/group operation mode	Power source-ON	
F1	83	Sorter push bar motor trouble (Sorter side detection)	Sorter	Initializing	Power source-ON	
F1	87	Sorter staple unit oscillation motor trouble (Sorter side detection)	Sorter	Initializing	Power source-ON	
F1	89	Sorter bin shift motor trouble (Sorter side detection)	Sorter	Sort / Group operation mode	Power source-ON	
F1	91	Bin paper sensor auto adjustment trouble (Sorter side detection)	Sorter	Sort/group operation mode	Power source-ON	
F1	94	Sorter staple key trouble	Sorter	Staple	Power source-ON	
F2	40	Toner concentration sensor trouble (BLACK)	Developing	All modes	Power source-ON	
F2	41	Toner concentration sensor trouble (CYAN)	Developing	All modes	Power source-ON	
F2	42	Toner concentration sensor trouble (MAGENTA)	Developing	All modes	Power source-ON	
F2	43	Toner concentration sensor trouble (YELLOW)	Developing	All modes	Power source-ON	
F2	44	Image density sensor trouble (BLACK) (Transfer belt surface reflection abnormality)	Image process (Transfer)	Image density correction	Power source-ON	Print is disabled in USA/Japan. For the other destinations, print is enabled. However, the print density must be forcibly decreased.
F2	45	Image density sensor trouble (COLOR) (Calibration plate reflection abnormality)	Image process (Transfer)	Image density correction	Power source-ON	Print is disabled in USA/Japan. For the other destinations, print is enabled. However, the print density must be forcibly decreased.
F2	50	Drum marking detection trouble (BLACK)	Image process (OPC drum)	OPC drum rotation	Power source-ON	In the case of AR-C100, the error code is displayed (print disabled). In the case of AR-C150/C250/C160, the error code is stored in the trouble memory (print enabled).
F2	51	Drum marking detection trouble (CYAN)	Image process (OPC drum)	OPC drum rotation	Power source-ON	In the case of AR-C100, the error code is displayed (print disabled). In the case of AR-C150/C250/C160, the error code is stored in the trouble memory (print enabled).
F2	52	Drum marking detection trouble (MAGENTA)	Image process (OPC drum)	OPC drum rotation	Power source-ON	In the case of AR-C100, the error code is displayed (print disabled). In the case of AR-C150/C250/C160, the error code is stored in the trouble memory (print enabled).
F2	53	Drum marking detection trouble (YELLOW)	Image process (OPC drum)	OPC drum rotation	Power source-ON	In the case of AR-C100, the error code is displayed (print disabled). In the case of AR-C150/C250/C160, the error code is stored in the trouble memory (print enabled).
F2	54	Drum marking sensor gain adjustment error (BLACK)	Image process (OPC drum)	Image density correction	Power source-ON	Print is disabled in USA/Japan. For the other destinations, print is enabled. However, the print density must be forcibly decreased.
F2	55	Drum marking sensor gain adjustment error (CYAN)	Image process (OPC drum)	Image density correction	Power source-ON	Print is disabled in USA/Japan. For the other destinations, print is enabled. However, the print density must be forcibly decreased.
F2	56	Drum marking sensor gain adjustment error (MAGENTA)	Image process (OPC drum)	Image density correction	Power source-ON	Print is disabled in USA/Japan. For the other destinations, print is enabled. However, the print density must be forcibly decreased.
F2	57	Drum marking sensor gain adjustment error (YELLOW)	Image process (OPC drum)	Image density correction	Power source-ON	Print is disabled in USA/Japan. For the other destinations, print is enabled. However, the print density must be forcibly decreased.

Main code	Sub code	Title (Content)	Section	Operation mode	Remedy	NOTE
F2	58	Process humidity sensor trouble	Image process (Transfer)	All modes	Power source-ON	In the case of AR-C100, the error code is displayed (print disabled). In the case of AR-C150/C250/C160, the error code is stored in the trouble memory (print enabled).
F2	63	Temperature sensor trouble (Image process)	Image process	All modes	Power source-ON	In the case of AR-C100, the error code is displayed (print disabled). In the case of AR-C150/C250/C160, the error code is stored in the trouble memory (print enabled).
F2	80	Half tone correction (1st patch) trouble (BLACK)	Image process	Image density correction	Power source-ON	
F2	81	Half tone correction (1st patch) trouble (CYAN)	Image process	Image density correction	Power source-ON	
F2	82	Half tone correction (1st patch) trouble (MAGENTA)	Image process	Image density correction	Power source-ON	
F2	83	Half tone correction (1st patch) trouble (YELLOW)	Image process	Image density correction	Power source-ON	
F2	84	Half tone correction (2nd patch) trouble (BLACK)	Image process	Image density correction	Power source-ON	
F2	85	Half tone correction (2nd) patch trouble (CYAN)	Image process	Image density correction	Power source-ON	
F2	86	Half tone correction (2nd) patch trouble (MAGENTA)	Image process	Image density correction	Power source-ON	
F2	87	Half tone correction (2nd) patch trouble (YELLOW)	Image process	Image density correction	Power source-ON	
F2	90	Half tone correction trouble	Image process	Image density correction	Power source-ON	
F3	12	Lift-up trouble (Paper 1)	Paper tray 1	Paper tray lift up	Power source-ON	
F3	22	Lift-up trouble (Paper 2)	Paper tray 2	Paper tray lift up	Power source-ON	
F3	32	Lift-up trouble (Paper 3)	Paper tray 3	Paper tray lift up	Power source-ON	
F3	42	Lift-up trouble (Paper 4)	Paper tray 4	Paper tray lift up	Power source-ON	
F9	0	ICU PWB-printer controller communication trouble (ICU detection)	ICU IMAGE PWB / PRINTER CONTROLLER	Warm-up / Printing	Power source-ON	
H2	0	Fusing main temperature sensor (lower)(Thermistor) open/Fusing unit not-installed (THS1)	Fusing	All modes	Power Source-ON	
H2	1	Fusing main temperature sensor (lower)(Thermistor) open/Fusing unit not-installed (THS2)	Fusing	All modes	Power Source-ON	
H2	2	Fusing main temperature sensor (upper)(Thermistor) open/Fusing unit not-installed (THS3)	Fusing	All modes	Power Source-ON	
H2	3	Fusing main temperature sensor (upper)(Thermistor) open/Fusing unit not-installed (THS4)	Fusing	All modes	Power Source-ON	
H3	0	Fusing section high temperature trouble (THS1)	Fusing	All modes	SIM 14	
H3	1	Fusing section high temperature trouble (THS2)	Fusing	All modes	SIM 14	
H3	2	Fusing section high temperature trouble (THS3)	Fusing	All modes	SIM 14	
H3	3	Fusing section high temperature trouble (THS4)	Fusing	All modes	SIM 14	
H4	0	Fusing section (upper) low temperature trouble (HL1)	Fusing	All modes	SIM 14	
H4	1	Fusing section (lower) low temperature trouble (HL2)	Fusing	All modes	SIM 14	
H5	1	Paper jam in the fusing/paper exit sections	Fusing	Copy / Print	SIM 14	

Main code	Sub code	Title (Content)	Section	Operation mode	Remedy	NOTE
H6	0	Fusing oil empty (Oil sensor trouble)	Fusing	All modes	Power Source-ON	
H7	0	AC input voltage (HLV) trouble	Power source	All modes	Power Source-ON	
L1	0	Scanner feed trouble	Scanner (reading)	Initialize / Copy	Power Source-ON	
L3	0	Scanner return trouble	Scanner (reading)	Initialize / Copy	Power Source-ON	
L4	3	Fusing motor trouble	Fusing	Warm-up / Copy/ Print	Power Source-ON	
L4	4	Developing motor trouble (BLACK)	Developing drive	Warm-up / Copy/ Print	Power Source-ON	
L4	5	Developing motor trouble (COLOR)	Developing drive	Warm-up / Copy / Print	Power Source-ON	
L4	6	Transfer belt lift trouble	Image process (Transfer)	Color / Monochrome copy (print) mode select	Power Source-ON	
L6	10	Laser scanner (writing) motor lock detection (BLACK)	Laser scanner (writing)	All modes	Power Source-ON	
L6	11	Laser scanner (writing) motor lock detection (CYAN)	Laser scanner (writing)	All modes	Power Source-ON	
L6	12	Laser scanner (writing) motor lock detection (MAGENTA)	Laser scanner (writing)	All modes	Power Source-ON	
L6	13	Laser scanner (writing) motor lock detection (YELLOW)	Laser scanner (writing)	All modes	Power Source-ON	
L8	1	Power full wave signal (FWS) trouble	Power source	All modes	Power Source-ON	
L8	2	Power full wave signal (FWS) width trouble	Power source	All modes	Power Source-ON	
PF	0	RIC copy inhibit signal reception	PCU PWB	RIC communication	SIM 17	
U0	0	Operation control PWB - PCU MAIN PWB communication trouble (OPE/PCU detection)	Operation PWB/PCU MAIN PWB	All modes	Power Source-ON	
U0	80	PCU MAIN PWB - PCUSUB PWB communication trouble (PCU detection)	PCU SUB PWB/PCU MAIN PWB	All modes	Power Source-ON	
U2	0	EEPROM read/write error (PCU MAIN PWB)	PCU PWB	Warm-up	SIM 16	
U2	11	Counter data (EEPROM) check sum error (PCU MAIN PWB)	PCU PWB	All modes	SIM 16	
U2	12	Setup/Adjustment value data (EEPROM) check sum error (PCU MAIN PWB)	PCU PWB	All modes	SIM 16	
U2	20	EEPROM read/write error (ICU MAIN PWB)	ICU PWB	Warm-up	SIM 16	
U2	21	Counter (EEPROM) check sum error (ICU MAIN PWB)	ICU PWB	All modes	SIM 16	
U2	22	Setup, adjustment value (EEPROM) check sum error (ICU MAIN PWB)	ICU PWB	All modes	SIM 16	
U2	30	Manufacturing No. data (ICU MAIN PWB/PCU MAIN PWB) discrepancy	ICU PWB / PCU PWB	All modes	SIM 16	
U4	0	PCU MAIN PWB - ADU communication trouble	PCU PWB / Duplex control PWB	Warm-up / Initialize	Power Source-ON	
U4	2	ADU Alignment plate operation trouble	Duplex	Initialize/Duplex copy (print)	Power Source-ON	
U4	12	ADU transport motor trouble	Duplex	Duplex copy (print)	Power Source-ON	
U5	0	PCU MAIN PWB - RADF communication trouble	PCU PWB / RADF control PWB	Warm-up / Initialize	Power Source-ON	
U5	1	RADF resist sensor trouble	RADF	RADF	Power Source-ON	
U5	2	RADF expulsion sensor trouble	RADF	RADF	Power Source-ON	

Main code	Sub code	Title (Content)	Section	Operation mode	Remedy	NOTE
U5	3	RADF timing sensor trouble	RADF	RADF	Power Source-ON	
U5	11	RADF paper feed motor trouble	RADF	RADF	Power Source-ON	
U6	9	Large capacity tray (LCC) lift motor trouble	Large capacity tray	Paper feed	SIM 15	
U6	20	PCU MAIN PWB-Large capacity tray (LCC) communication trouble	Large capacity tray control PWB / PCU MAIN PWB	Warm-up / Initialize	Power Source-ON	
U6	21	Large capacity tray (LCC) transport motor trouble	Large capacity tray	Paper feed	Power Source-ON	
U6	22	Large capacity tray (LCC) 24v power trouble	Large capacity tray	All modes	Power Source-ON	
U7	0	RIC communication trouble	PCU PWB	RIC communication	Power Source-ON	
UC	0	ICU SCAN PWB - CPT PWB communication trouble	ICU SCAN PWB / CPT PWB	Copy	Power Source-ON	
UC	1	CPT board program trouble	CPT PWB	Warm-up / Initialize	Power Source-ON	
UC	2	CPT board ASIC trouble	CPT PWB	Warm-up / Initialize	Power Source-ON	
UC	3	CPT board ROM trouble	CPT PWB	Warm-up / Initialize	Power Source-ON	
UC	4	CPT board RAM trouble	CPT PWB	Warm-up / Initialize	Power Source-ON	
UC	5	CPT board model code data trouble	ICU MAIN PWB / CPT PWB	Warm-up / Initialize	Power Source-ON	

6. Details

Main code	Sub code	Title	Shading trouble (White correction)	
E7	**11**	Phenomena	Display	Lamp
				Message
			Detail	In shading correction, the CCD white reading level is abnormal (with the scanner lamp OFF).
			Section	Scanner (reading) / ICU SCAN PWB
			Operation mode	Warm-up / Initialize
			Note	
		Case 1	Trouble position/Cause	Improper CCD white level gain Too great CCD white level gain
			Remedy	(Check) 1) Use SIM 63-1 to check the values of ADJUST ODD GAIN and ADJUST EVEN GAIN of each color of R/G/B. (There are six values in total.) (AR-C150) 2) Add 25 to each value of GAIN ODD and GAIN EVEN of R/G/B checked in procedure 1) and make notes of the total values. (AR-C150) 3) Enter the SIM 46-6 mode, and replace each value of GAIN ODD and GAIN EVEN of R/G/B with the total values calculated in procedure 2). (Input the new value.) (AR-C150) 4) Cancel the simulation. 5) Turn OFF/ON the power, and shading operation will be performed.
				(Repair) Power OFF-ON
				(After work)
			Note	This trouble occasionally happens when the CCD unit (with the lens) is replaced.
		Case 2	Trouble position/cause	Bad connection of the flat cable between the CCD unit and the ICU SCAN PWB.
			Remedy	(Check) Check connection of the flat cable between the CCD unit and the ICU SCAN PWB.
				(Repair) Replace the flat cable between the CCD unit and the ICU SCAN PWB. / Power Source-ON
				(After-work)
			Note	

Main code	Sub code	Title	Shading trouble (White correction)	
E7	11	Case 3	Trouble position/cause	CCD unit trouble
			Remedy	(Check) CCD black offset level check (SIM 46-6) / Shading correction result check (SIM 63-1) (AR-C150 only)
				(Repair) Replace the CCD unit. / Power Source-ON
				(After-work) Adjust ADJM17-ADJ1.
			Note	
		Case 4	Trouble position/cause	ICU SCAN PWB, ICU IMAGE PWB, ICU MAIN PWB trouble
			Remedy	(Check)
				(Repair) ICU SCAN PWB, ICU IMAGE PWB, ICU MAIN PWB. / Power Source-ON
				(After-work) Adjust ADJM9/M10/M12/M13/M14/M15/M17. / Re-enter setup values and adjustment values. (Install the EEPROM of the defective ICU MAIN PWB to a new ICU MAIN PWB.)
			Note	
		Case 5	Trouble position/cause	Scanner section dirt (Shading sheet trouble (dirt, scratch)/Lens dirt/Mirror dirt/Reflector dirt)
			Remedy	(Check) Scanner section dirt check
				(Repair) Clean the scanner section (shading sheet/lens/CCD/mirror/reflector)./Power Source-ON
				(After-work)
			Note	
		Case 6	Trouble position/cause	Scanner lamp insufficient light quantity (Scanner lamp trouble/scanner lamp control PWB trouble)
			Remedy	(Check) Check the scanner lamp applying voltage (62.3V).
				(Repair) Replace the scanner lamp. / Replace the scanner lamp control PWB. / Power Source-ON
				(After-work) Adjust ADJM17-ADJ1.
			Note	

Main code	Sub code	Title	Finisher paper exit trouble/reversing trouble (Finisher side detection)	
F1	2	Phenomenon	Display	Lamp
				Message
			Detail	In the initial operation, the motor rotation sensor output signal is not recognized within the specified time after output of the finisher paper exit motor / reversing motor ON signal.
			Section	Finisher paper exit
			Operation mode	Power ON/ Initial operation
			NOTE	
		Case 1	Trouble position / Cause	Paper exit motor trouble / Reversing motor trouble / Paper exit motor rotation sensor trouble / Reversing motor rotation sensor trouble
			Remedy	(Check) Check the paper exit motor / reversing motor / Reversing motor rotation sensor / paper exit motor rotation sensor operations. (SIM 3-1/2)
				(Repair) Replace the paper exit motor. / Replace the paper exit motor rotation sensor. / Power OFF-ON
				(After work)
		Case 2	Trouble position / Cause	Paper exit mechanism section trouble
			Remedy	(Check) Check the paper exit mechanism section operation. (SIM 3-1/2)
				(Repair) Replace or repair parts of the paper exit mechanism section. / Power OFF-ON
				(After work)
		Case 3	Trouble position / Cause	Finisher control PWB trouble
			Remedy	(Check) Check the finisher control PWB operation. (SIM 3-1/2)
				(Repair) Replace the finisher control PWB. / Power OFF-ON
				(After work) Make various adjustments related to the finisher electric section. (Install the EEPROM of the defective finisher control PWB to a new finisher control PWB.)

Main code	Sub code	Title	Fusing motor trouble	
L4	3	Phenomena	Display	Lamp
				Message
			Detail	The motor lock signal is detected for 50ms or more during rotation of the fusing motor.
			Section	Paper feed
			Operation mode	Paper feed
			Note	
		Case 1	Trouble position/cause	Fusing motor trouble
			Remedy	(Check) Check the fusing motor operation. (SIM 6-1)
				(Repair) Replace the fusing motor. / Power Source-ON
				(After-work)
			Note	
		Case 2	Trouble position/cause	PCU MAIN PWB trouble
			Remedy	(Check)
				(Repair) Replace the PCU MAIN PWB. / Power Source-ON
				(After-work) Re-enter setup values and adjustment values. (Install the EEPROM of the defective PCU MAIN PWB to a new PCU MAIN PWB.)
			Note	
		Case 3	Trouble position/cause	Fusing mechanism section trouble.
			Remedy	(Check) Check the loads in the fusing mechanism section.
				(Repair) Repair or replace parts in the fusing mechanism section. / Power Source-ON
				(After-work)
			Note	

Main code	Sub code	Title	Developing motor trouble (BLACK)	
L4	4	Phenomena	Display	Lamp
				Message
			Detail	The motor lock signal is detected for 3.5sec or more when the developing motor is ON.
			Section	Developing drive
			Operation mode	Warm-up / Copy / Print
			Note	
		Case 1	Trouble position/cause	Developing motor trouble
			Remedy	(Check) Check the developing motor operation (SIM 25-1).
				(Repair) Replace the developing motor. / Power Source-ON
				(After-work)
			Note	
		Case 2	Trouble position/cause	Developing mechanism section trouble
			Remedy	(Check) Check the loads of the developing mechanism section.
				(Repair) Repair or replace the parts in the developing mechanism section. / Power Source-ON
				(After-work)
			Note	
		Case 3	Trouble position/cause	PCU MAIN PWB trouble
			Remedy	(Check)
				(Repair) Replace the PCU MAIN PWB. / Power Source-ON
				(After-work) Re-enter setup values and adjustment values. (Install the EEPROM of the defective PCU MAIN PWB to a new PCU MAIN PWB.)
			Note	

Main code	Sub code	Title	Developing motor trouble (COLOR)	
L4	5	Phenomena	Display	Lamp
				Message
			Detail	The motor lock signal is detected for 3.5sec or more when the developing motor is ON.
			Section	Developing drive
			Operation mode	Warm-up / Copy / Print
			Note	
		Case 1	Trouble position/cause	Developing motor trouble
			Remedy	(Check) Check the developing motor operation (SIM 25-1).
				(Repair) Replace the developing motor. / Power Source-ON
				(After-work)
			Note	
		Case 2	Trouble position/cause	Developing mechanism section trouble
			Remedy	(Check) Check the loads of the developing mechanism section.
				(Repair) Repair or replace the parts in the developing mechanism section. / Power Source-ON
				(After-work)
			Note	
		Case 3	Trouble position/cause	PCU MAIN PWB trouble
			Remedy	(Check)
				(Repair) Replace the PCU MAIN PWB. / Power Source-ON
				(After-work) Re-enter setup values and adjustment values. (Install the EEPROM of the defective PCU MAIN PWB to a new PCU MAIN PWB.)
			Note	
		Case 4	Trouble position/cause	Developing motor power line trouble
			Remedy	(Check) Check the fuse (F707).
				(Repair) Replace the fuse (F707). / Power Source-ON
				(After-work)
			Note	

Main code	Sub code	Title	PCU MAIN PWB - ADU communication trouble / Discrepancy of the model	
U4	0	Phenomena	Display	Lamp
				Message
			Detail	Communication test error in warm-up / Discrepancy of the model
			Section	PCU PWB / Duplex control PWB
			Operation mode	Warm-up / Initialize
			Note	
		Case 1	Trouble position/cause	Bad connection of the signal line between the PCU MAIN PWB and the ADU control PWB.
			Remedy	(Check) Check connection of the signal line between the PCU MAIN PWB and the ADU control PWB.
				(Repair) Repair or replace the cable and the connector between the PCU MAIN PWB and the ADU control PWB. / Power Source-ON
				(After-work)
			Note	
		Case 2	Trouble position/cause	PCU MAIN PWB trouble
			Remedy	(Check)
				(Repair) Replace the PCU MAIN PWB. / Power Source-ON
				(After-work) Re-enter setup values and adjustment values. (Install the EEPROM of the defective PCU MAIN PWB to a new PCU MAIN PWB.)
			Note	
		Case 3	Trouble position/cause	ADU control PWB trouble
			Remedy	(Check)
				(Repair) ADU control PWB replacement / Power Source-ON
				(After-work)
			Note	
		Case 4	Trouble position/cause	Discrepancy of the model code (The AR-DU2, instead of the AR-DU2N, is erroneously installed to the AR-C160.).
			Remedy	(Check) Check that the AR-DU2N or the AR-DU2 is installed.
				(Repair) Install the AR-DU2N or remodel the AR-DU2 into the AR-DU2N. (Replace the AR-DU2 ROM with the AR-DU2N ROM, and replace the 1A fuse on the ADU control PWB with the 1.25A fuse.)
				(After-work)
			Note	

Main code	Sub code	Title	PCU MAIN PWB- Large capacity tray (LCC) communication trouble / Discrepancy of the model	
U6	20	Phenomena	Display	Lamp
				Message
			Detail	Communication test error in warm-up / Discrepancy of the model
			Section	Large capacity tray control PWB / PCU MAIN PWB
			Operation mode	Warm-up / Initialize
			Note	
		Case 1	Trouble position/cause	Bad connection of the signal line between the PCU MAIN PWB and the large capacity tray (LCC) control PWB
			Remedy	(Check) Check connection of the signal line between the PCU MAIN PWB and the large capacity tray (LCC) control PWB.
				(Repair) Repair or replace the cable and the connector between the PCU MAIN PWB and the large capacity tray (LCC) control PWB. / Power Source-ON
				(After-work)
			Note	
		Case 2	Trouble position/cause	PCU MAIN PWB trouble
			Remedy	(Check)
				(Repair) Replace the PCU MAIN PWB. / Power Source-ON
				(After-work) Re-enter setup values and adjustment values. (Install the EEPROM of the defective PCU MAIN PWB to a new PCU MAIN PWB.)
			Note	
		Case 3	Trouble position/cause	Large capacity tray (LCC) control PWB trouble
			Remedy	(Check)
				(Repair) Large capacity tray (LCC) control PWB replacement / Power Source-ON
				(After-work)
			Note	
		Case 4	Trouble position/cause	Discrepancy of the model code (The AR-LC2, instead of the AR-LC2N, is erroneously installed to the AR-C160.).
			Remedy	(Check) Check that the AR-LC2N or the AR-LC2 is installed.
				(Repair) Install the AR-LC2N or remodel the AR-LC2 into the AR-LC2N. (Replace the AR-LC2 ROM with the AR-LC2N ROM, and replace the 1A fuse on the ADU control PWB with the 1.25A fuse.)
				(After-work)
			Note	

[11] MAINTENANCE AND DISASSEMBLY/ASSEMBLY

1. Necessary procedure for maintenance and servicing

(1) Items to be performed before maintenance servicing 1

Item	Simulation	
Check the print counter value of each section in each operation mode.	22	1
Check the number of times of paper jams and troubles.	22	2
Check the paper jam positions and contents.	22	3
Check the paper jam positions and contents. (RADF section)	22	12
Check the trouble contents.	22	4
Prints the list of setups and adjustment values.	22	6
Check the number of use of the RADF, the sorter and the scanner.	22	8
Check the number of use of paper feed sections.	22	9

(2) Necessary work items in maintenance service

The work items necessary for maintenance are shown below.

Perform the work according to the following description when other than maintenance (when replacing a consumable part/when repairing and checking (without replacement of consumable parts)/when installing/when cleaning the scanner (reading) section/etc.)

No	JOB No		Work item	Simulation		When installing	Repair (When a consumable part is replaced)/maintenance						When in repair/check (without replacing consumable parts)
							After replacing OPC drum (*1)	After replacing developer (*2)	After replcing transfer belt	After disposing transfer section waste toner	After cleanign scanner (reading) section	When in periodic maintenance	
1	ADJ M3		Toner concentration reference control level setup	25	2	*		*					
2			Developer counter clear	24	5			*					
3			OPC drum counter clear	24	7		*						
4	ADJ M5		Image desntiy sensor adjustment	44	13				*			*	
5	ADJ M6		Image density sensor position adjustment	44	23				*			*	
6	ADJ M7		Image skew adjustment	64	1							*	
7	ADJ M8		OPC drum phase adjustment	44	20 (Old)/31 (New)	*	*						
8			Transfer section waste toner counter clear	24	8					*			
9			Half-tone correction level is set to zero.	44	27		*	*					
10	ADJ M9A (ADJ M9)		Main scan direction image resist adjustment	50	22 (Auto)/ 20 (Manual)	*							
11	ADJ M9A (ADJ M10)		Sub scan direction image resist adjustment	50	22 (Auto)/ 21 (Manual)	*							
12	ADJ M17	ADJ 1	CCD gamma adjustment (Normal document mode)	63	3	*	*7A						
13	ADJ M17	ADJ 2	Color balance/density adjustment (Auto)	46	22/24	*	*6B						
						*6A							
14			Process correction is forcibly performed.	44	6	*3	*						
15	ADJ M17	ADJ 3	Color balance/density adjustment (Manual)	46	21	*3	*						
16			Half-tone image correction initial setup (color balance adjustment data memory)	44	21	*3	*						
*5													
17			Half-tone correction is forcibley performed.	44	26	*							
18			Copy check			*							
19			The service target of the auto color balance adjustment is set. (AR-C150/C160/C250)	63	7	*3	*						
20	ADJ M17	ADJ 4	Color balance adjustment (individual adjustment for each copy mode)	46	10 - 19 25 (AR-C160/C250)	*4	*						
21	ADJ M17	ADJ 1A	CCD gamma adjustment (Copy document mode) (AR-C160/C250)	63	9	*7B	*						

Job No. indicates the title number of adjustment items specified in the chapter of the adjustments. Refer to Use this number when referring to the details, as necessary.

*1/*2: Replace all the three colors (Y, M, C) at a time. Color developers and color OPC drums must be replaced at a time. Black developer and black OPC drum can be replaced individually.

*3: Before and after the manual color balance/density adjustment, these items must be performed. When performing the auto color balance/density adjustment, there is no need to perform these items.

*4: Perform as required.

*5: Make a copy and check the copy color balance and density. If satisfactory result is not obtained, perform the procedure again.

*6A: If a satisfactory result is obtained by the auto color balance/density adjustment, there is no need to perform the manual color balance/density adjustment.

*6B: It is also allowed to make the manual color balance/density adjustment without performing the auto color balance/density adjustment.

*7A: Required only when the scanner (reading) section is cleaned.

*7B: After completion of the CCD gamma adjustment (normal original mode), perform this procedure. If the CCD gamma adjustment (normal original mode) is not performed, there is no need to perform this procedure.

When the developer counter is cleared (SIM 24-5) and the OPC drum counter is cleared (SIM 24-7), the image density correction (process correction) is automatically performed.

(3) Items to be performed after maintenance servicing 3

Item	Simulation	
Paper jam, trouble data clear	24	1
Each paper feed section use number counter clear	24	2
RADF, sorter, scanner use number counter clear	24	3
Maintenance counter clear	24	4
Setup and adjustment data output	22	6

(4) Maintenance display

When the maintenance timing is reached, the following display is shown.

MAINTENANCE REQUIRED CODE: XX

The above two-digit code indicates the kind and the count of the maintenance counter.
The meaning of the CODE indication is as shown below.

CODE (XX) 1st digit	Meaning	
A	5K	Maintenance counter value set with SIM 21-1.
B	10K	
C	15K	
D	20K	
E	40K	
F	80K	

CODE (XX) 2nd digit	Meaning
T	The total maintenance counter has reached the value set with SIM 21-1.
C	The color maintenance counter has reached the value set with SIM 21-1.
A	Both the total maintenance counter and the color maintenance counter have reached the values set with SIM 21-1.

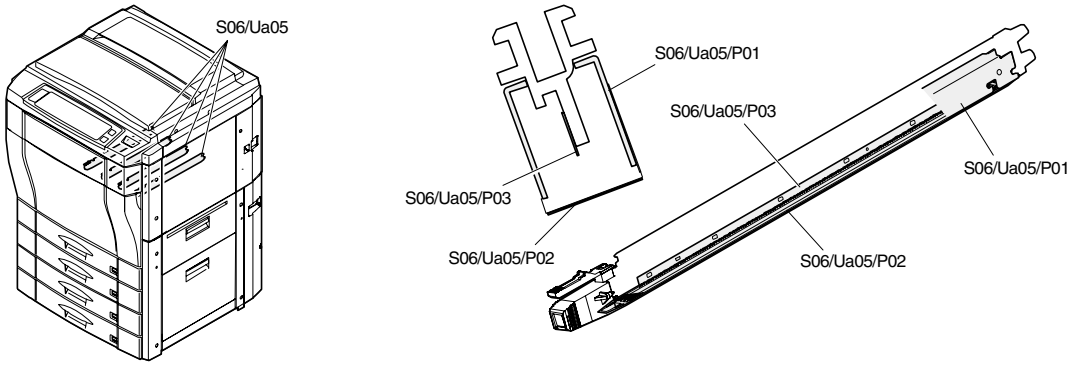
After completion of maintenance, reset this display with SIM 24-4.

2. List

- OIL/GRE (Lubricate, grease); CLN (Cleaning); ADJ (Adjustment); REP (Replacement, installation); CP (Change position); CHK (Check); (Clean, replace, lubricate, grease as necessary); ABL (Disassembly, assembly)

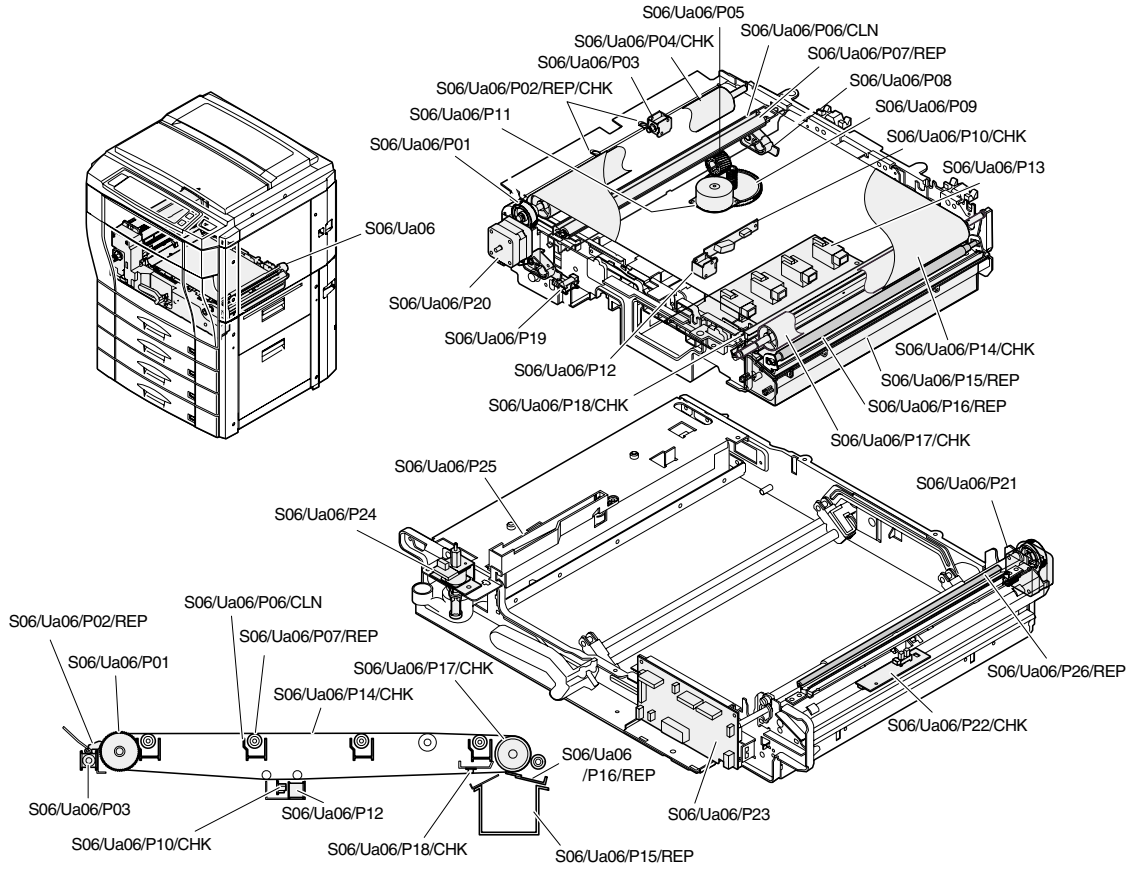
S06 Image process section

Unit		Part		JOB CODE	Every service call	40K	80K	120K	160K	200K	240K	280K	320K	Remark
U No.	Unit name	P No.	Part name											
Ua05	MC unit			CHK	*									
				REP		*	*	*	*	*	*	*	*	
		P01	MC case	CLN	*									
		P02	MC grid	CLN	*									
		P03	Charging plate	CLN	*									

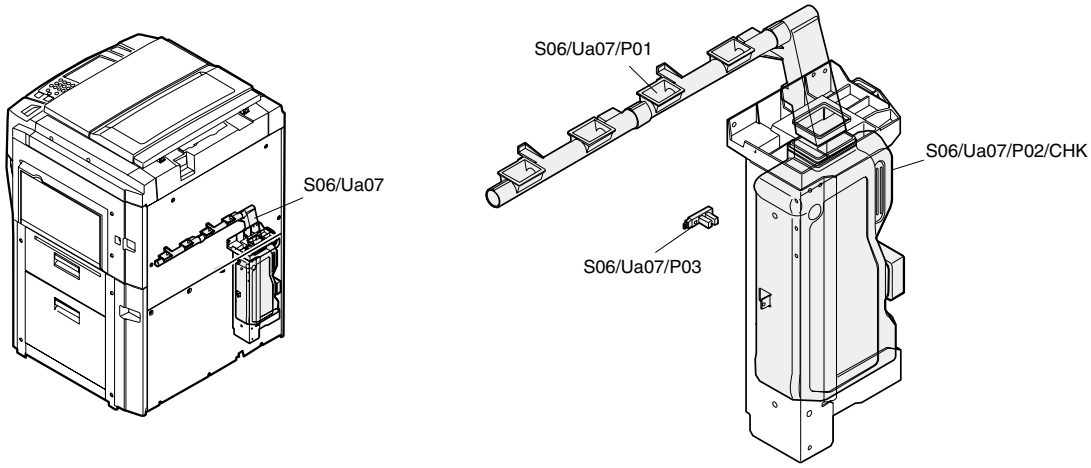


Unit		Part		JOB CODE	Every service call	40K	80K	120K	160K	200K	240K	280K	320K	Remark
U No.	Unit name	P No.	Part name											
Ua06	Transfer unit			CHK					*				*	When replacing the unit
		P01	Transfer belt drive gear	GRE										
		P02	Transfer separation pawl	REP					*				*	In the case of the AR-C160, it is installed only in the model for Japan.
				CHK		*	*	*		*	*	*		
		P03	Separation pawl solenoid	ABL										
		P04	Belt drive roller	CHK		*	*	*	*	*	*	*	*	
		P05	Gear	GRE										
		P06	Transfer discharge sheet	CLN					*				*	
				CHK		*	*	*		*	*	*		
		P07	Transfer roller	REP					*				*	In the case of AR-C160, replace it every 160K.
				CHK		*	*	*		*	*	*		
		P08	Lift cam	GRE										
		P09	Idle gear	GRE										
		P10	Image density sensor	CHK		*	*	*	*	*	*	*	*	
		P11	Transfer belt lift motor	ABL										
		P12	Image density sensor solenoid	ABL										
		P13	High voltage power PWB (TC)	ABL										
		P14	Transfer belt	CHK		*	*	*		*	*	*		
				REP					*				*	
		P15	Waste toner tank	REP	*	*	*	*	*	*	*	*	*	After replacement, reset the waste toner counter with SIM 24-8.
		P16	Transfer belt cleaning blade	REP					*				*	
				CHK		*	*	*		*	*	*		
		P17	Transfer belt idle roller	CHK		*	*	*	*	*	*	*	*	
		P18	Transfer belt cleaner	CHK		*	*	*	*	*	*	*	*	
		P19	Transfer unit sensor	CHK		*	*	*	*	*	*	*	*	

Unit		Part		JOB CODE	Every service call	40K	80K	120K	160K	200K	240K	280K	320K	Remark
U No.	Unit name	P No.	Part name											
		P20	Belt drive motor	ABL										
		P21	RR motor	ABL										
		P22	Humidity sensor	CHK		*	*	*	*	*	*	*	*	
		P23	PCU sub PWB	ABL										
		P24	Oil pump	ABL										
		P25	Oil filter unit	REP		*	*	*	*	*	*	*	*	
		P26	Resist roller cleaner	REP		*	*	*	*	*	*	*	*	AR-C160



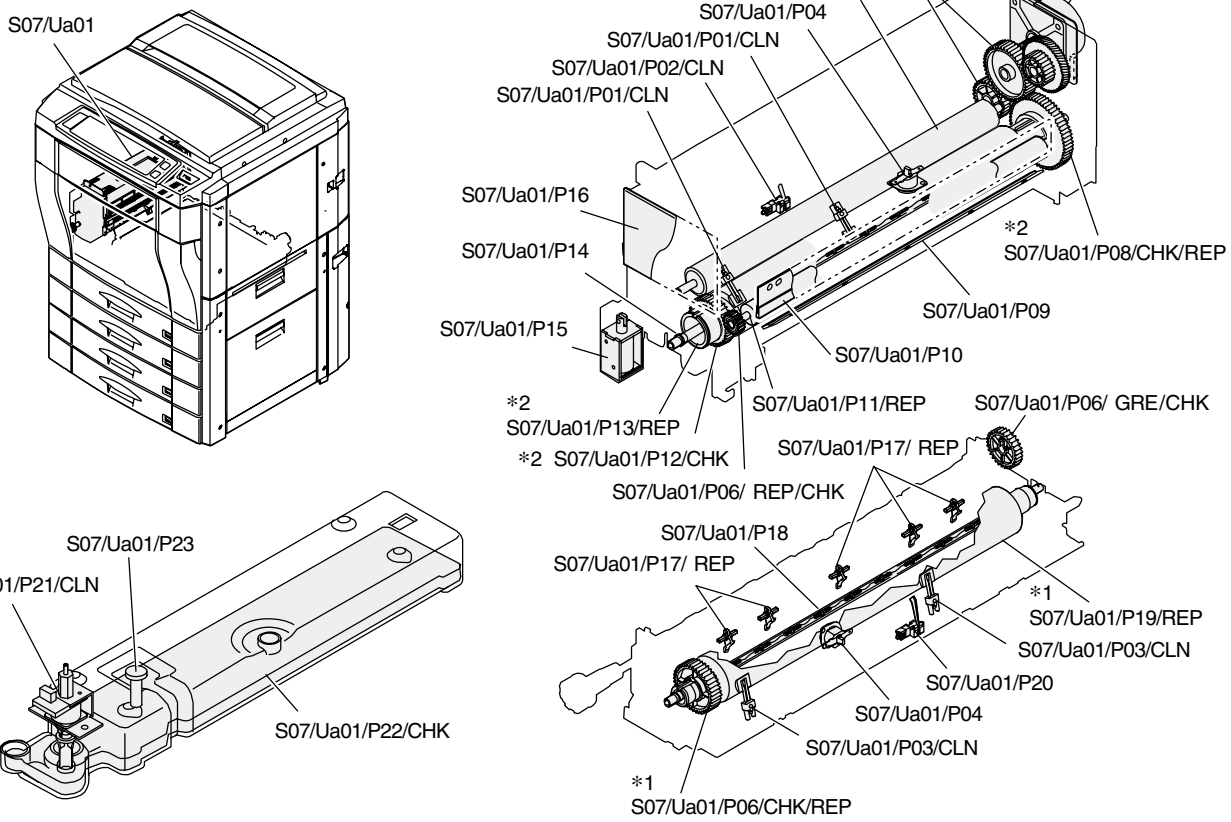
Unit		Part		JOB CODE	Every service call	40K	80K	120K	160K	200K	240K	280K	320K	Remark
U No.	Unit name	P No.	Part name											
Ua07	Waste toner unit													
		P01	Waste toner transport unit	ABL										
		P02	Waste toner bottle	CHK	*									User replacement
		P03	Waste toner full sensor	ABL										



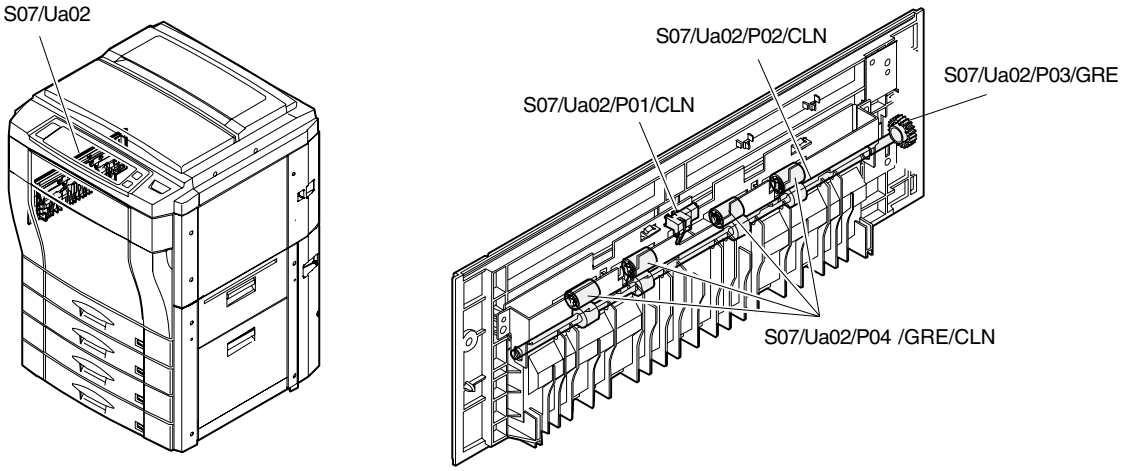
S07 Fusing/paper exit sections

Unit		Part		JOB CODE	Every service call	40K	80K	120K	160K	200K	240K	280K	320K	Remark
U No.	Unit name	P No.	Part name											
Ua01	Fusing unit			CHK		*	*	*	*	*	*	*	*	When replacing the unit
		P01	Thermistor (Upper) 2 pcs	CHK		*	*	*	*	*	*	*	*	
		P02	Duplex paper exit detector	CLN			*		*		*		*	
		P03	Thermistor (Lower) 2 pcs.	CHK		*	*	*	*	*	*	*	*	
		P04	Thermostat (Upper/Lower)	ABL										
		P05	Upper cleaning roller	REP		*	*	*	*	*	*	*	*	
		P06	Gear	REP					*				*	
			*1	CHK		*	*	*	*	*	*	*	*	
		P07	Fusing drive motor	ABL										
		P08	Upper heat roller gear R *2	REP		*	*	*	*	*	*	*	*	
				CHK										
				ABL										
		P09	Oil applying felt	REP		*	*	*	*	*	*	*	*	
				ABL										
		P10	Oil applying blade	REP		*	*	*	*	*	*	*	*	
				ABL										
		P11	Oil applying roller	REP		*	*	*	*	*	*	*	*	
				ABL										
		P12	Upper heat roller gear F *2	CHK										
				REP		*	*	*	*	*	*	*	*	
				ABL										
		P13	Upper heat roller *2	REP		*	*	*	*	*	*	*	*	
				ABL										
		P14	Upper heater lamp	ABL										
		P15	Duplex gate solenoid	ABL										
		P16	Heater lamp control PWB (AC sub PWB)	ABL										
		P17	Lower separation pawl	REP		*	*	*	*	*	*	*		
		P18	Lower heater lamp	ABL										
		P19	Lower heat roller *1	REP		*	*	*	*	*	*	*	*	
				ABL										
		P20	Paper entry detector	CLN			*		*		*		*	
		P21	Oil pump/Filter	CLN		*	*	*	*	*	*	*	*	
		P22	Oil	CHK		*	*	*	*	*	*	*	*	
		P23	Oil sensor	ABL										

*1, *2: In the case of the AR-C160, replacement is made by the whole unit of the heat roller unit.



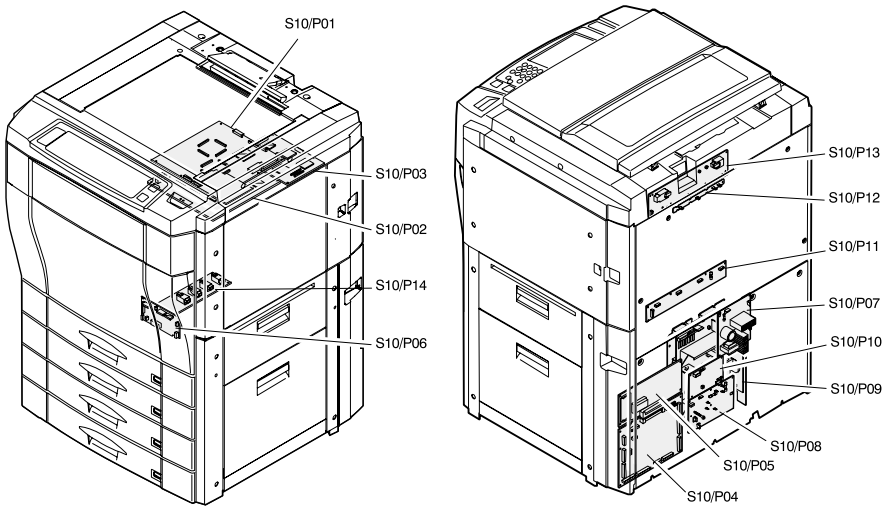
Unit		Part		JOB CODE	Every service call	40K	80K	120K	160K	200K	240K	280K	320K	Remark
U No.	Unit name	P No.	Part name											
Ua02	Paper exit unit			ABL										
		P01	Paper exit detector	CLN			*		*		*		*	
		P02	Paper exit roller	CLN	*	*	*	*	*	*	*	*	*	
		P03	Gear	GRE										
		P04	Paper exit idle roller	GRE										Inside
				CLN		*	*	*	*	*	*	*	*	



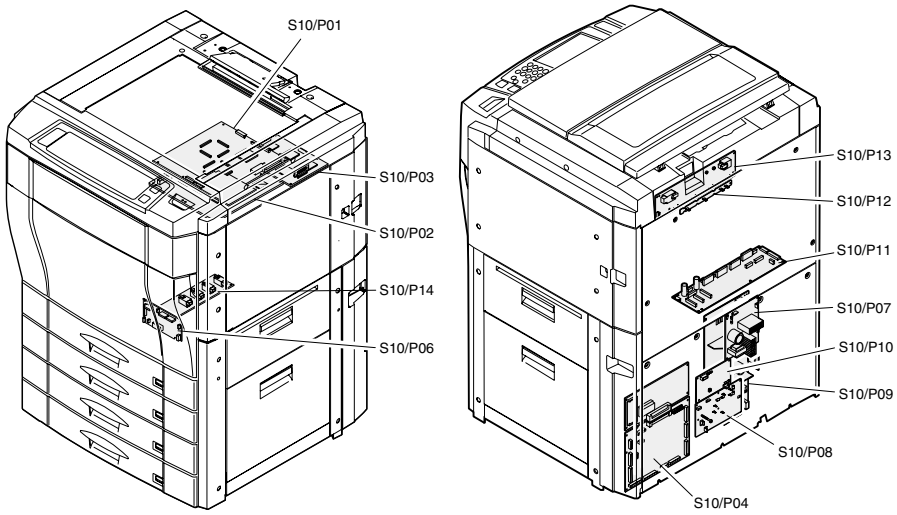
S10 PWB

Unit		Part		JOB CODE	Every service call	40K	80K	120K	160K	200K	240K	280K	320K	Remark
U No.	Unit name	P No.	Part name											
		P01	ICU MAIN PWB	ABL										
		P02	ICU IMAGE PWB	ABL										
		P03	ICU SCAN PWB	ABL										
		P04	PCU MAIN PWB A	ABL										
			PCU MAIN PWB	ABL										
		P05	PCU MAIN PWB B	ABL										
		P06	PCU SUB PWB	ABL										
		P07	Scanner lamp control PWB	ABL										
		P08	AC main power PWB	ABL										
		P09	DC main power PWB	ABL										
			DC power PWB	ABL										AR-C160
		P10	DC sub power PWB	ABL										
			Power control PWB											AR-C160
		P11	OPC drum drive PWB	ABL										
			OPC drum drive/ Signal interface PWB	ABL										AR-C160
		P12	High voltage power interface PWB	ABL										
		P13	High voltage power PWB (Main charger, developing bias)	ABL										
		P14	High voltage power PWB (Transfer charger)	ABL										

(AR-C150/C250)



(AR-C160)

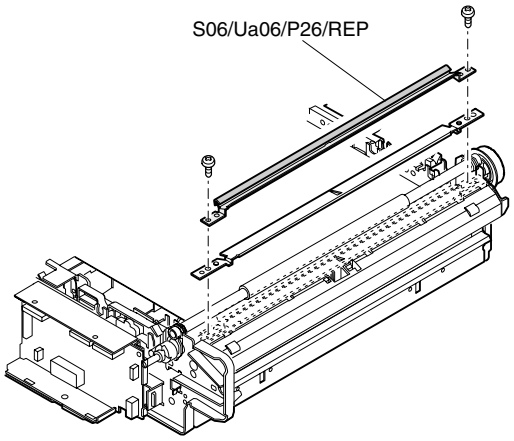


3. Details

S06 Image process section

S06/Ua06/P26 Resist roller cleaner

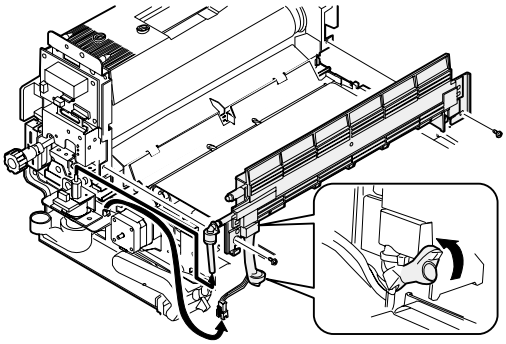
1) Pull out the transfer belt unit.
2) Remove the resist roller cleaner (S06/Ua06/P26).



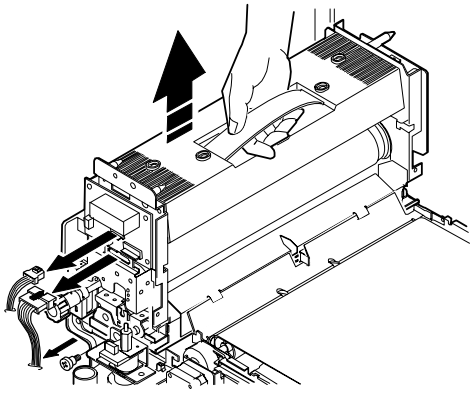
S07 Fusing/paper exit section

S07/Ua01 Fusing unit

1) Open the front cover. [S01/P04]
2) Remove the hopper unit. [S06/Ua01]
3) Remove the process frame cover. [S06/Ua02]
4) Pull out the fusing/transfer unit. [S06/Ua06]
5) Remove the fusing front cover. [S06/U06]
6) Disconnect the oil pump and the pipe, and hang the pipe on the hook.
7) Remove the connector.



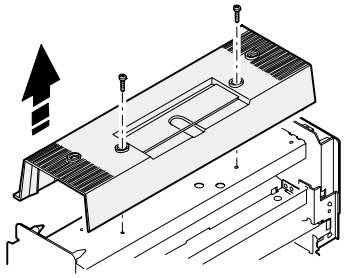
8) Remove the step screw and the connector, and remove the fusing unit (S07/U01).



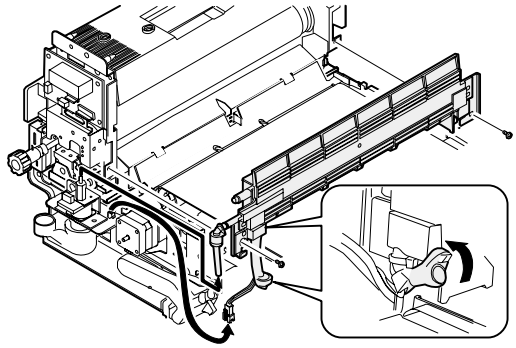
(Note) When a strong external pressure is applied to the fusing unit which is installed to the machine, the oil pipe may come off from the oil pump section. Be careful of it.

S07/Ua01/P01 Thermistor (upper)

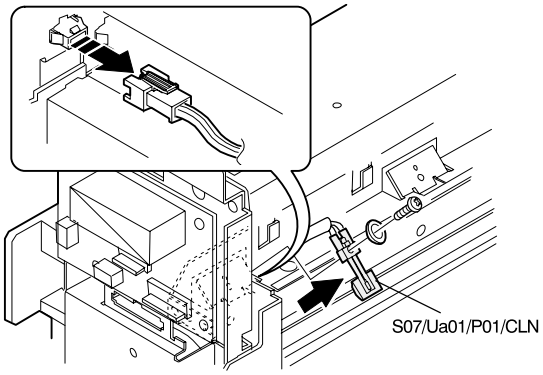
1) Remove the screw, and remove the fusing upper cover.



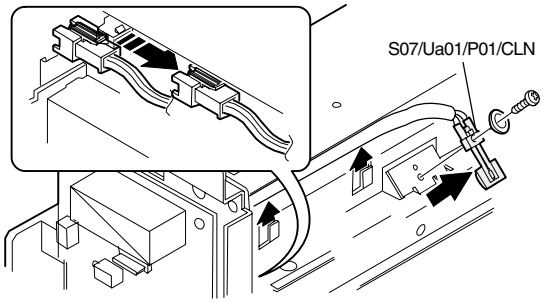
2) Remove the oil applying unit.



3) Remove the Thermistor (upper) (S07/Ua01/P01/CLN).
   * Clean with alcohol.

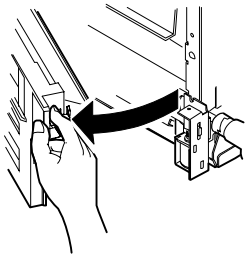


4) Remove the Thermistor (lower) (S07/Ua01/P01/CLN)
   * Clean with alcohol.

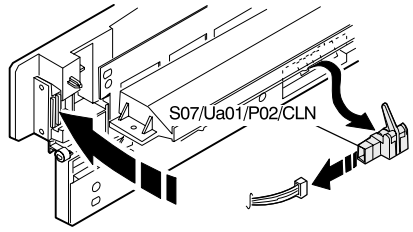


S07/Ua01/P02 Duplex paper exit detector

1) Open the paper exit transport guide.



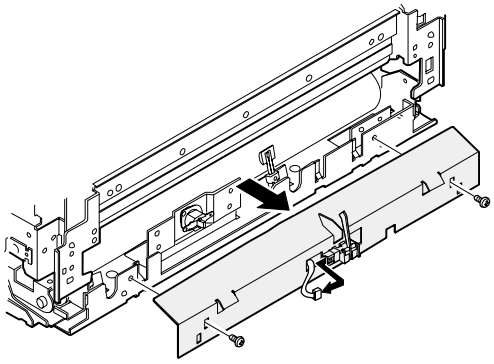
2) Remove the connector, and remove the duplex paper exit detector (S07/Ua01/P02/CLN).



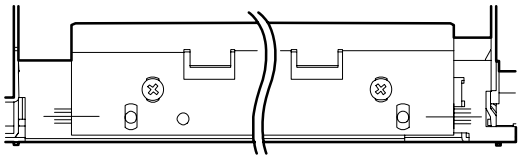
* Clean the detector.

S07/Ua01/P03 Thermistor (lower)

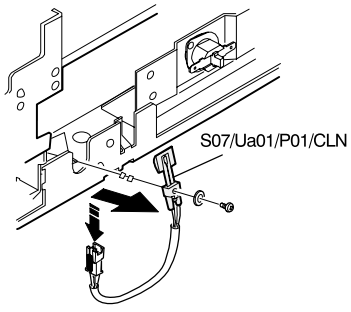
1) Remove the fusing upper cover.
2) Remove the screw, the washer, and the connector.
3) Remove the screw and the connector, and remove the fusing front paper guide unit.



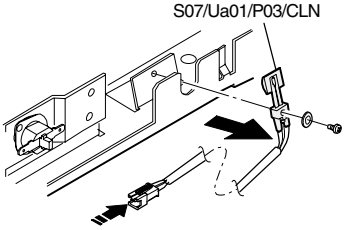
Fusing front paper guide installing position:
Install so that the line mark of the fusing front paper guide comes at the center of the mark on the fusing unit.



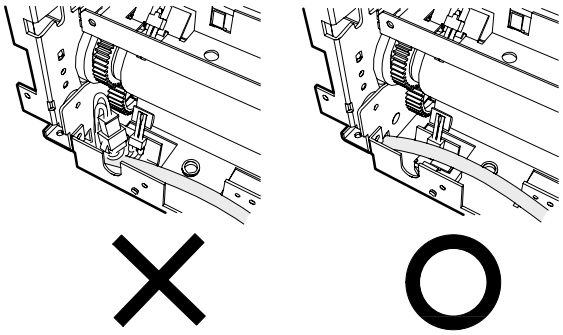
4) Remove the detection Thermistor (lower) (S07/Ua01/P03/CLN).
   * Clean with alcohol.



5) Remove the Thermistor pair (lower) (S07/Ua01/P03/CLN).
   * Clean with alcohol.

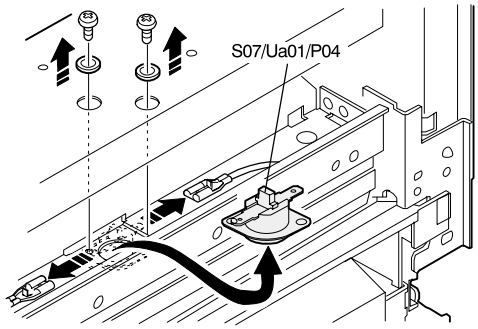


(Note) Fix the thermistor so that the thermistor harness is way from the drive section (gear).

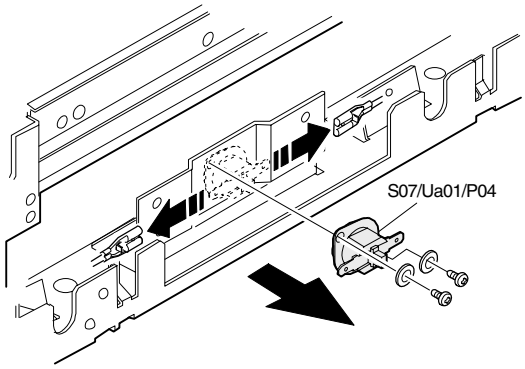


S07/Ua01/P04 Thermostat

1) Remove the fusing upper cover.
2) Remove the screw and the connector, and remove the thermostat (upper) (S07/Ua01/P04).

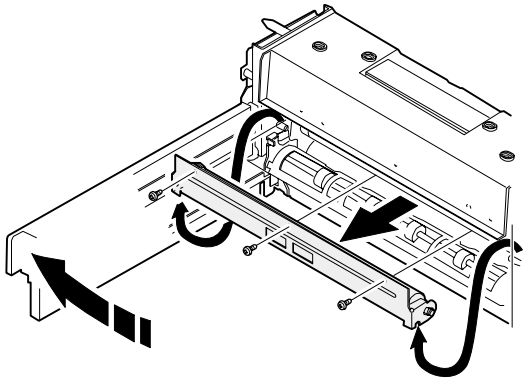


3) Remove the fusing front paper guide unit.
4) Remove the screw and the connector, and remove the thermostat (lower) (S07/Ua01/P04).



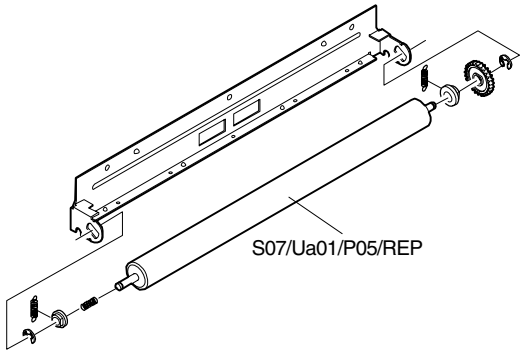
S07/Ua01/P05 Upper cleaning roller

1) Open the paper exit/transport mechanism.
2) Remove the screw, and remove the upper cleaning roller unit.

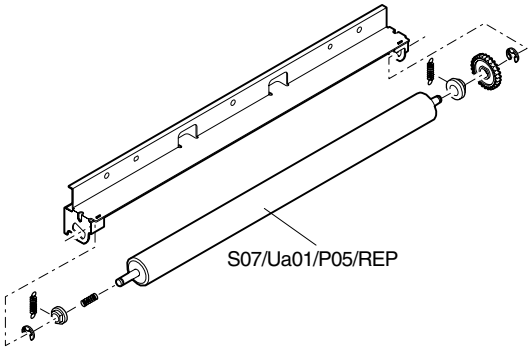


3) Remove the parts, and remove the upper cleaning roller (S07/Ua01/P05/REP).

(AR-C100/C150)



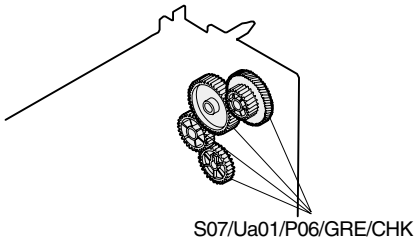
(AR-C250/C160)



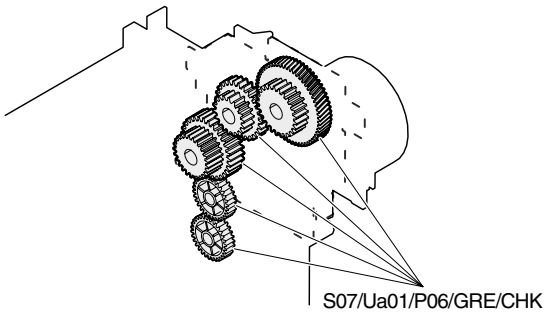
S07/Ua01/P06 **Gear**

* Apply grease to the gear.

(AR-C100/C150/C250)



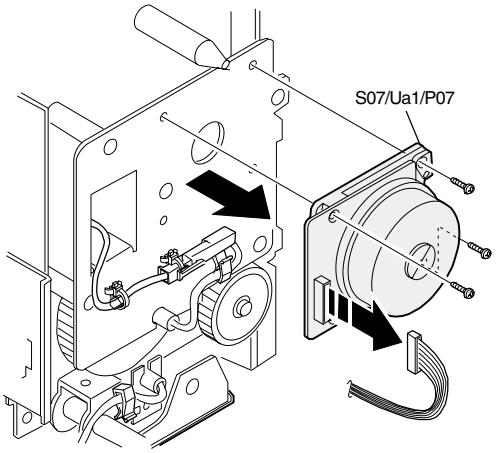
(AR-C160)



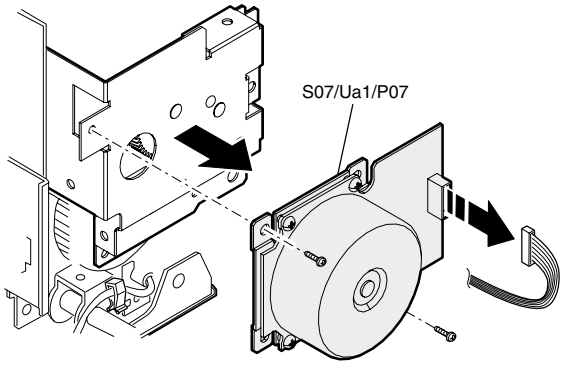
S07/Ua01/P07 **Fusing drive motor**

1) Remove the screw and the connector, and remove the fusing drive motor (S07/Ua01/P07).

(AR-C100/C150/C250)



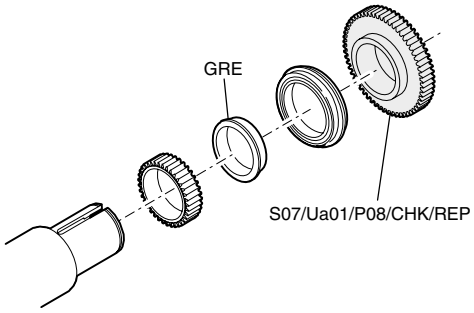
(AR-C160)



S07/Ua01/P08 **Upper heat roller gear R**

1) Remove the upper heat roller unit. S07/Ua01/P13

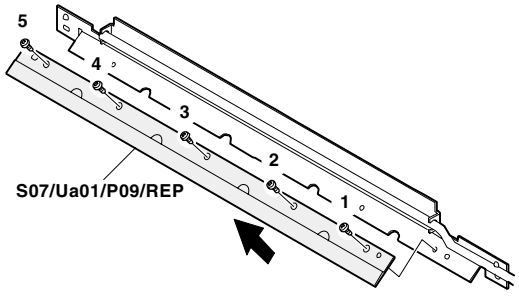
* Apply grease to the inside of the collar.



* For the AR-C160 replace the whole unit of the upper heat roller unit.

S07/Ua01/P09 **Oil applying felt**

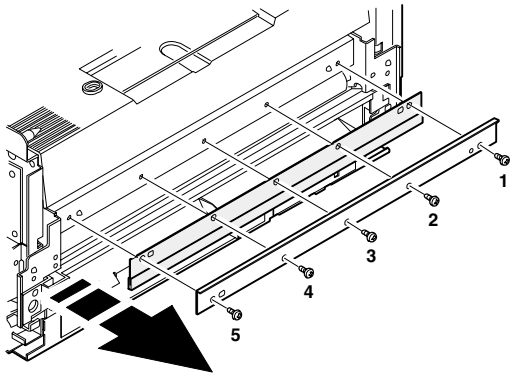
1) Remove the fusing front cover.
2) Remove the screw, the pipe holder, and the oil applying felt unit.
3) Remove the screw, and remove the oil applying felt (S07/Ua01/P09/REP).



* When assembling, tighten the screws in the sequence of numbering.

S07/Ua01/P10 **Oil applying blade**

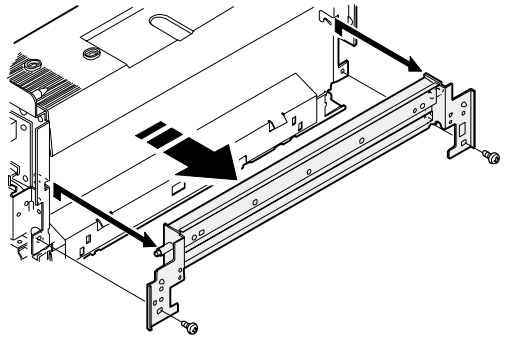
1) Remove the screw, and remove the oil applying blade (S07/Ua01/P10/REP).



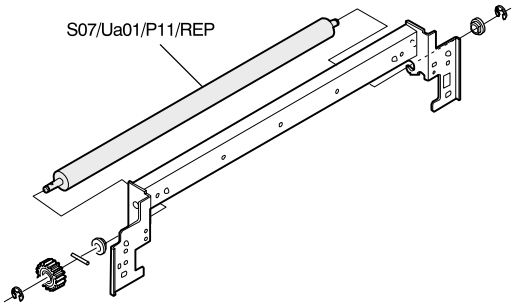
* When assembling, tighten the screws in the sequence of numbering.

S07/Ua01/P11 **Oil applying roller**

1) Remove the screw, and remove the oil applying unit.

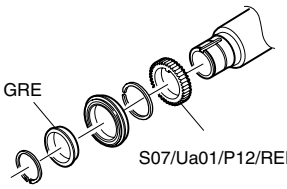


2) Remove the oil applying roller.



S07/Ua01/P12 **Upper heat roller gear F**

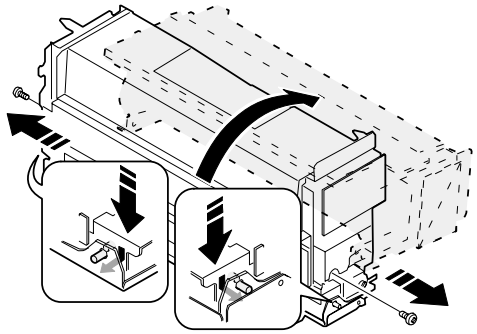
1) Remove the upper heat roller unit. S07/Ua01/P13
   * Apply grease to the inside of the collar.



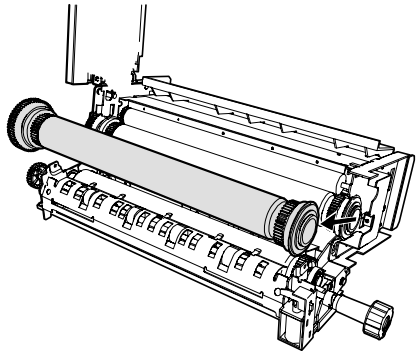
* For the AR-C160, replace the whole unit of the upper heat roller unit.

S07/Ua01/P13 **Upper heat roller**

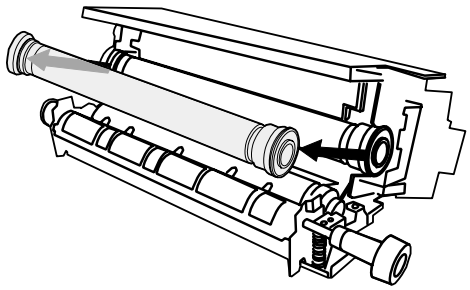
1) Remove the heater lamps. S07/Ua01/P14 S07/Ua01/P18
2) Remove the step screw and the connector, and release the pressure. Remove the fixing screws of the upper/lower fusing units, then remove the upper/lower fusing units upward/downward.



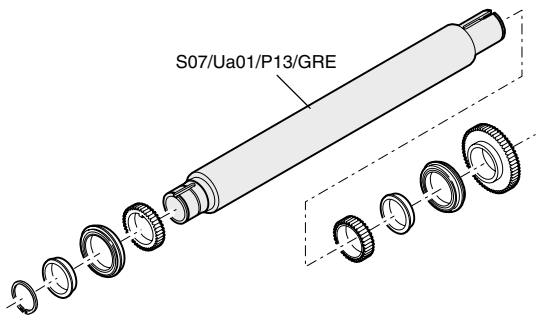
3) Remove the upper heat roller unit.
   (AR-C250)



(AR-C150)



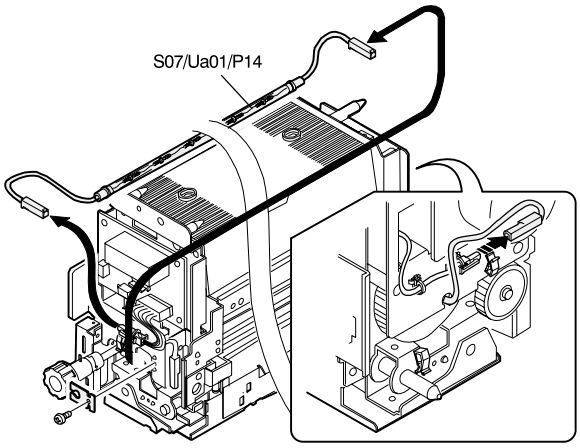
4) Remove the parts, and remove the upper heat roller (S07/Ua01/P16/REP).



* For the AR-C160, replace the whole unit of the lower heat roller unit.

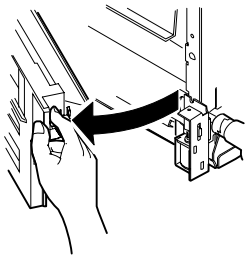
S07/Ua01/P14 Upper heater lamp

1) Remove the lamp holders and the connector.
2) Remove the upper heater lamp.

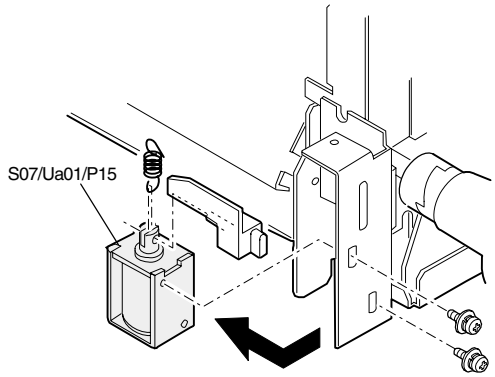


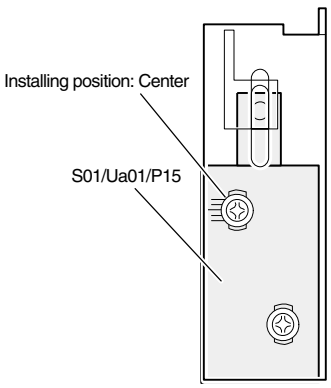
S07/Ua01/P15 Duplex gate solenoid (AR-C150/C250)

1) Open the paper exit/transport guide.



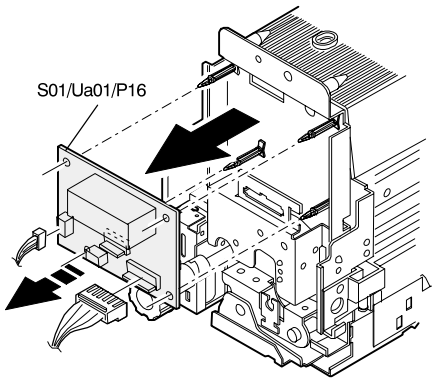
2) Remove the screw and the spring, and remove the duplex gate solenoid.





S07/Ua01/P16 Heater lamp control PWB (AC sub PWB)

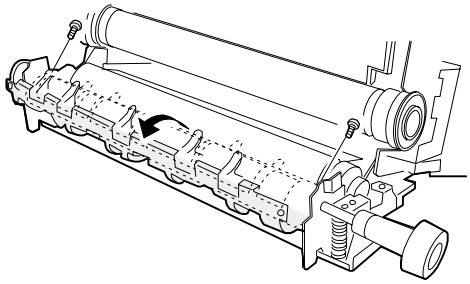
1) Remove the connector, and remove the heater lamp control PWB (AC sub PWB) (S07/Ua01/P16).



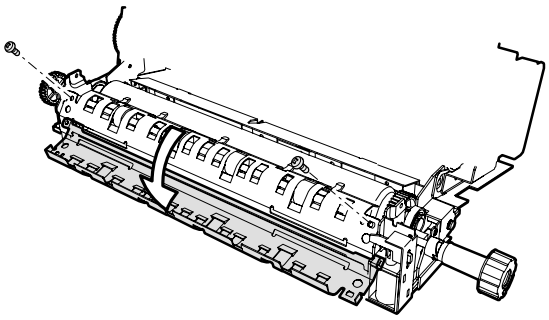
S07/Ua01/P17 Lower separation pawl

1) Open the upper and the lower fusing units.
2) Open the lower separation pawl unit (paper guide).

(AR-C150)

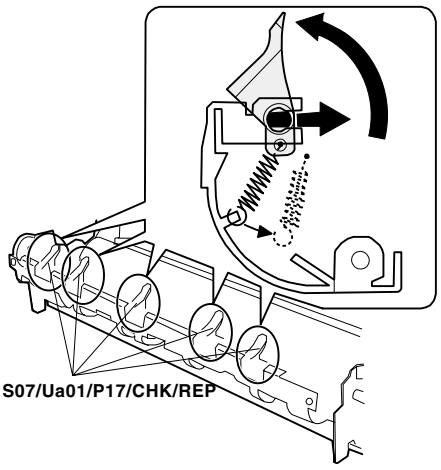


(AR-C250)

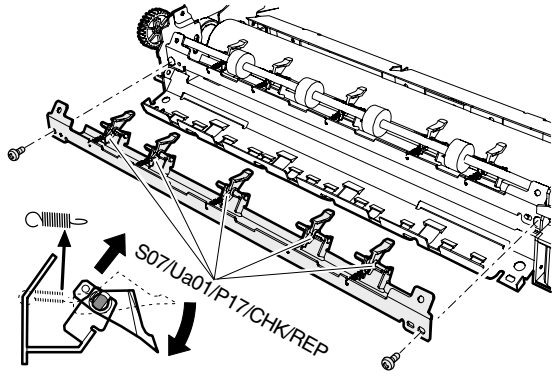


3) Remove the spring, and remove the lower separation pawl (S07/Ua01/P17/CHK/REP).

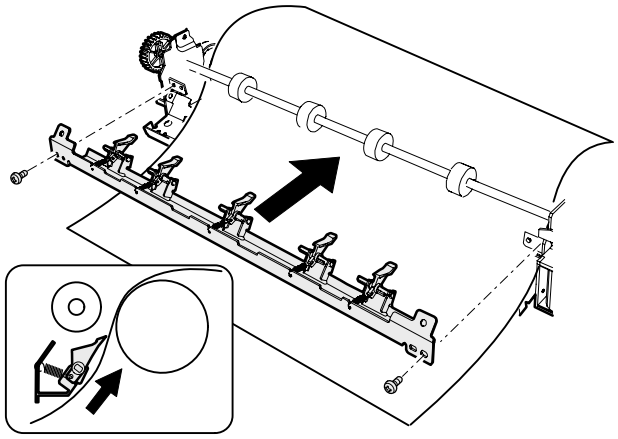
(AR-C150)



(AR-C250)

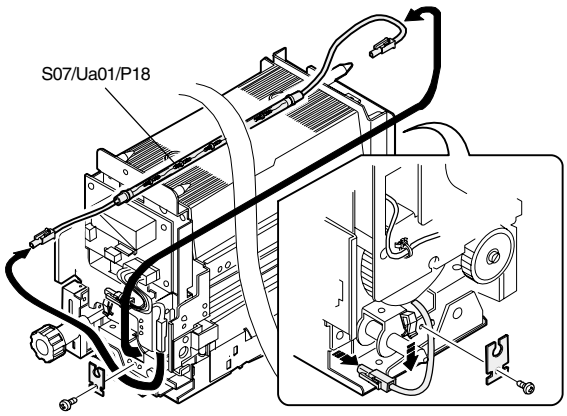


* When installing the lower separation pawl unit (paper guide) in the AR-C250, observe the following instruction.
  Insert thick paper of OHP sheet (A4 or 11" × 8.5" or greater) between the lower heat roller and the paper exit roller, and install so that the lower separation pawl is along the paper.



S07/Ua01/P18 Lower heater lamp

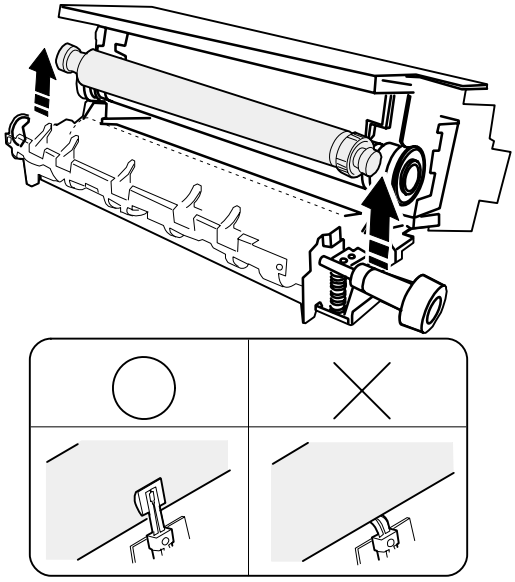
1) Remove the lamp holders and the connectors.
2) Pull out the lower heat lamp.



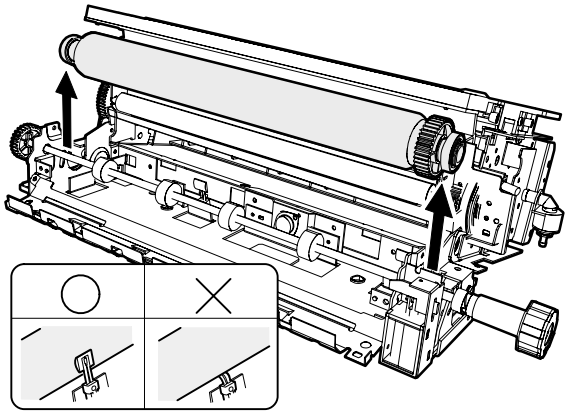
S07/Ua01/P19 Lower heat roller

1) Remove the heater lamps. S07/Ua01/P14 S07/Ua01/P18
2) Open the upper and the lower fusing units.
3) Remove the lower separation pawl unit (paper guide), and remove the lower heat roller unit.

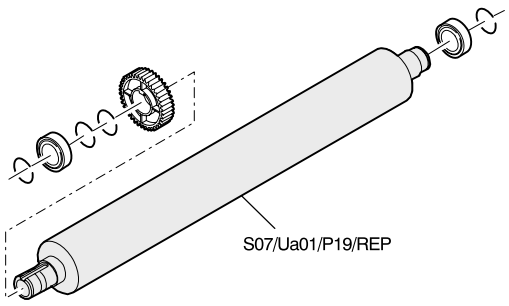
(AR-C100/C150)



(AR-C250)



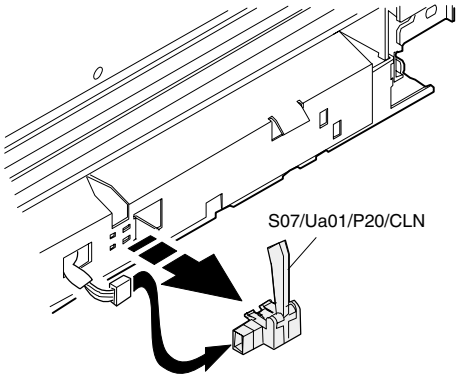
4) Remove the parts, and remove the lower heat roller.



* For the AR-C160, replace the whole unit of the lower heat roller unit.

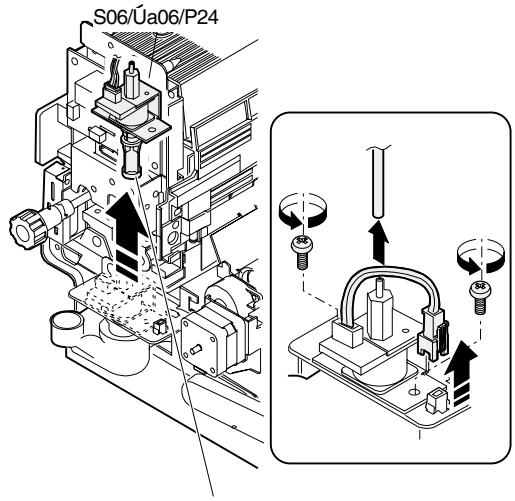
S07/Ua01/P20 Paper entry detector

1) Remove the connector, and remove the paper entry detector (S07/Ua01/P20).
   * Clean the detector.



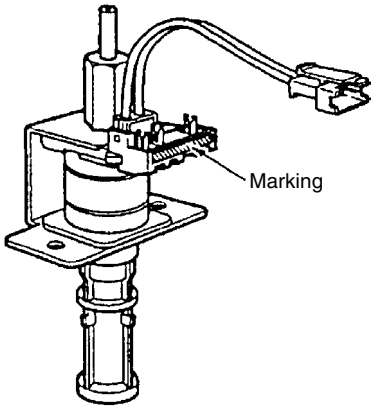
S07/Ua01/P21 Oil pump

Clean and remove oil attached on the external surfaces.



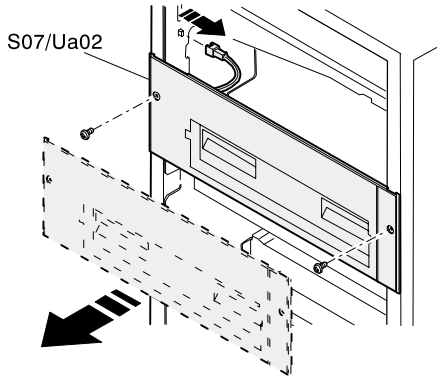
Clean the oil filter attached to the oil pump suction port with waste cloth.
If the oil filter is clogged, oil is not sufficiently supplied to the heat roller, causing a trouble.

- When installing (replacing) this pump, set the pump operation value of Sim 43-7 referring to the marking color shown in the illustration below.



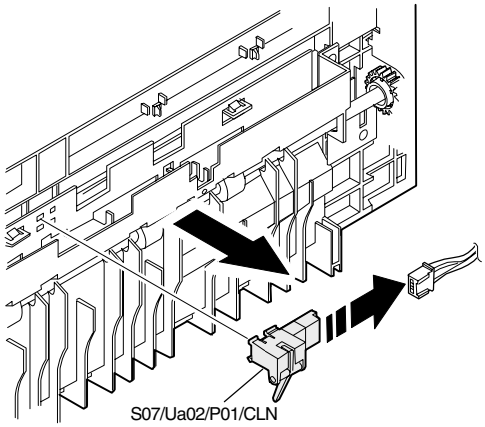
S07/Ua02 Paper exit unit

1) Remove the screw and the connector, and remove the paper exit unit (S07/Ua02).



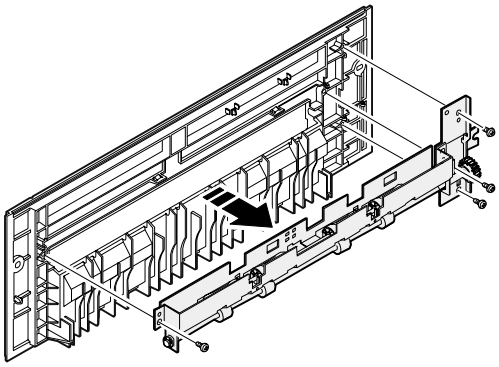
S07/Ua02/P01 Paper exit detector

1) Remove the paper exit unit. S07/Ua02
2) Remove the connector, and remove the paper exit detector (S07/Ua02/P01/CLN).
   * Clean it.

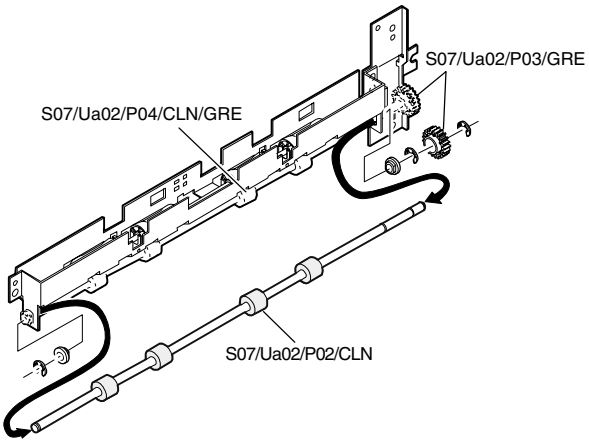


S07/Ua02/P02 Paper exit roller
S07/Ua02/P03 Gear
S07/Ua02/P04 Paper exit idle roller

1) Remove the paper exit unit. S07/Ua02
2) Remove the screw, and remove the paper exit roller unit.



3) Remove the parts, and remove the paper exit roller (S07/Ua02/P02/CLN).
   * Clean with alcohol.



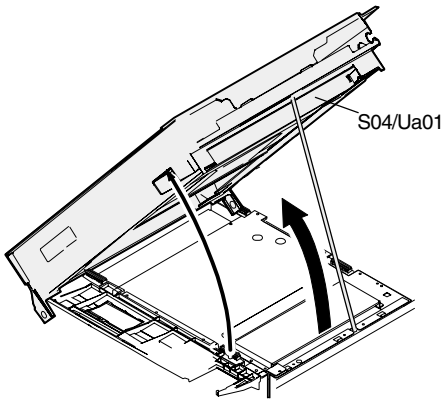
   * Apply grease to the gear (S07/Ua02/P03/GRE) and the inside of the paper exit idle roller (S07/Ua02/P04/CLN/GRE).

S10 PWB

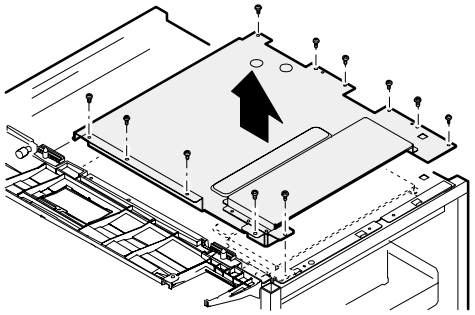
S10/P01 ICU main PWB
S10/P02 ICU image PWB
S10/P03 ICU scan PWB

(AR-C150/C250)

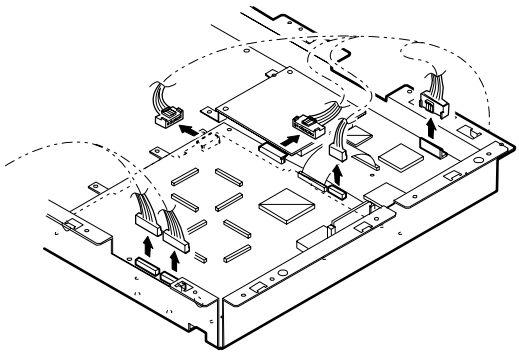
1) Remove the original cover. S01/P01
2) Remove the rear cover upper. S01/P02
3) Remove the glass holder right. S01/P05
4) Remove the glass holder left. S01/P06
5) Remove the table glass. S01/P07
6) Remove the shading glass AS. S01/P08
7) Remove the operation unit. S02/Ua01
8) Remove the screw, and remove the dark box cover.
9) Remove the screw, and remove the flat cable holder.
10) Remove the flat cable from the CCD.
11) Remove the screw, and remove the scanner fixing angle.
12) Remove the screw, and remove the stopper.
13) Open the scanner (reading) unit. Support it with the stopper.

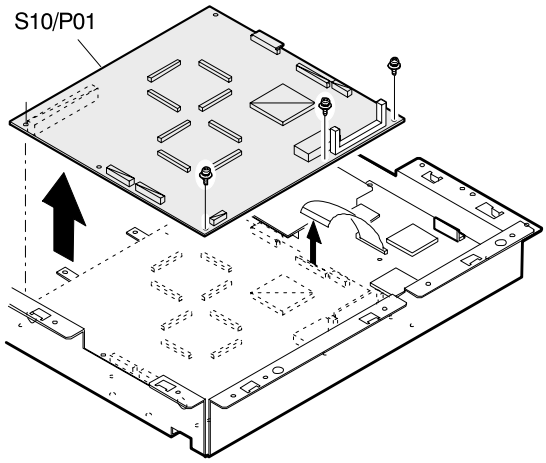


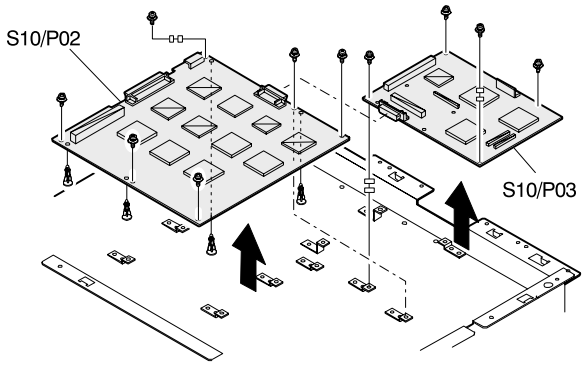
14) Remove the screw, and remove the ICU cover.



15) Remove the ICU main PWB, the ICU image PWB, and the ICU scan PWB.

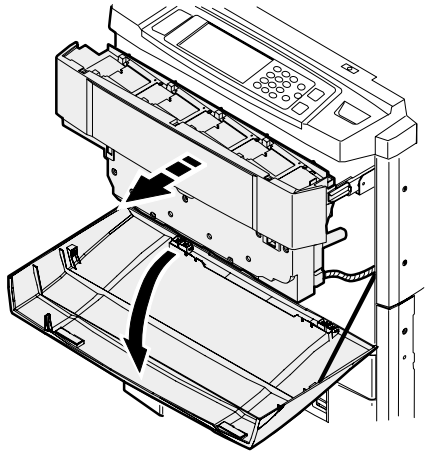




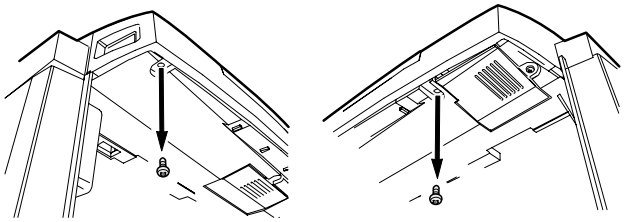


(AR-C160)

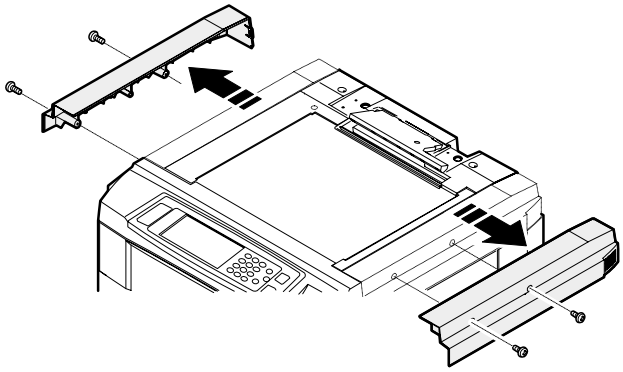
1) Remove the operation unit.



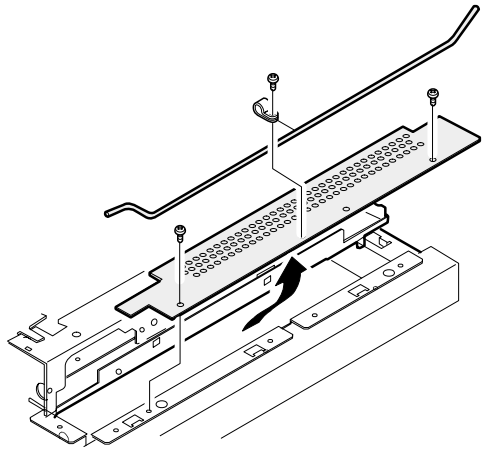
Left side Right side



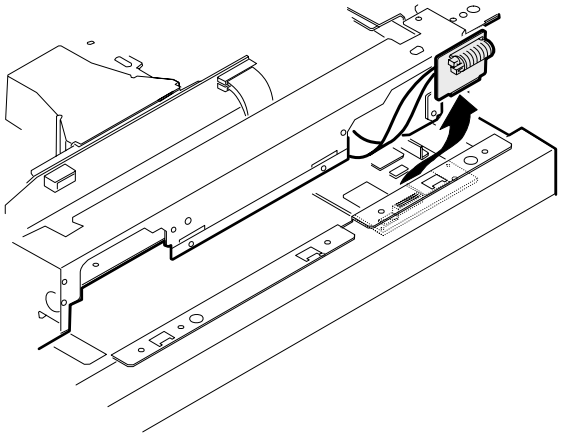
2) Remove the left and right upper cabinet.



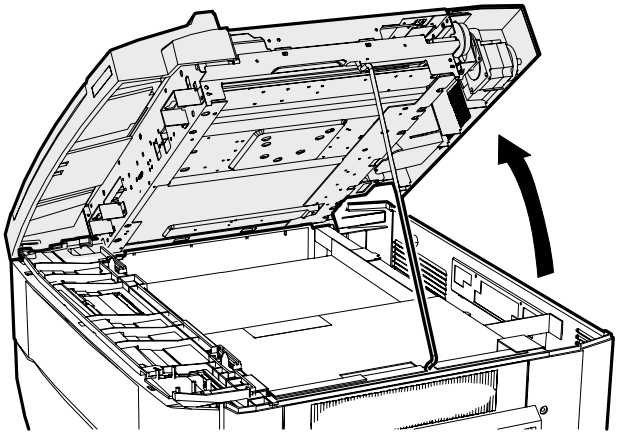
3) Remove the ICU PWB shield plate.



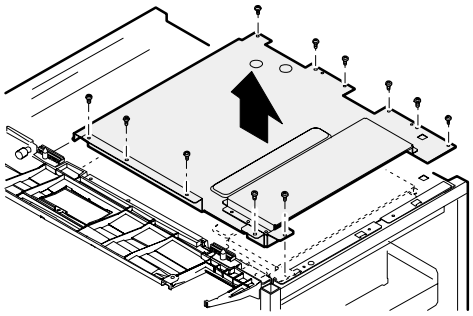
4) Remove the CCD flat cable connector.



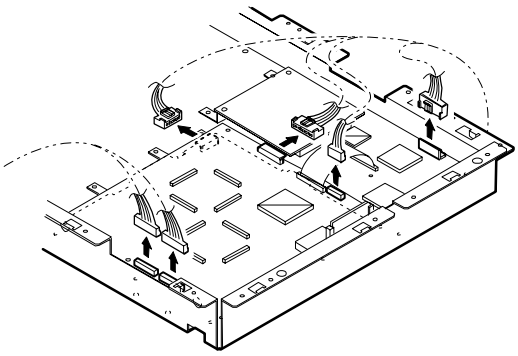
5) Open the scanner (reading) unit and fix it with the hold shaft.

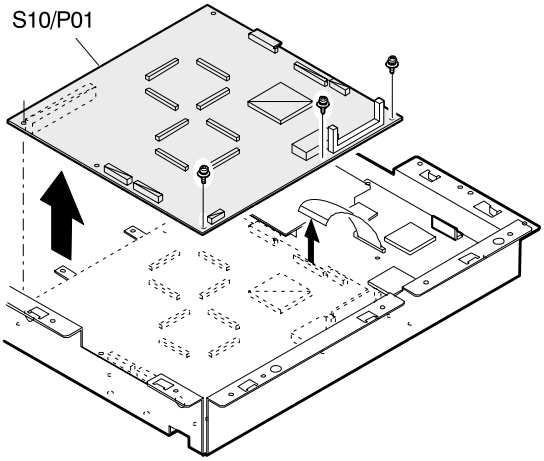


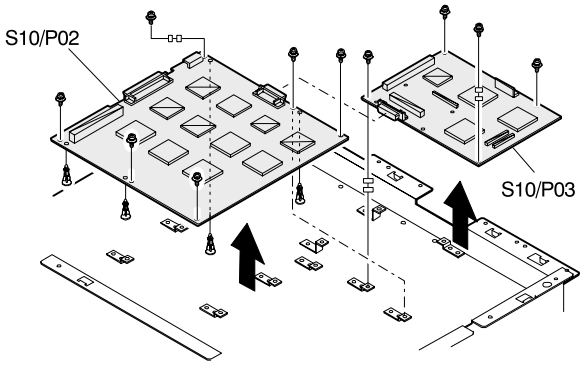
6) Remove the screw, and remove the ICU cover.



7) Remove the ICU main PWB, the ICU image PWB, and the ICU scan PWB.



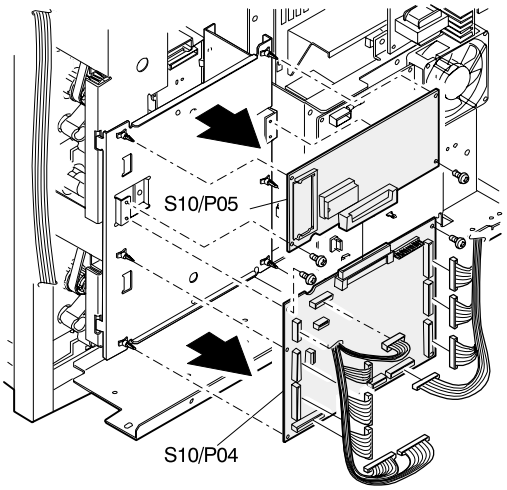




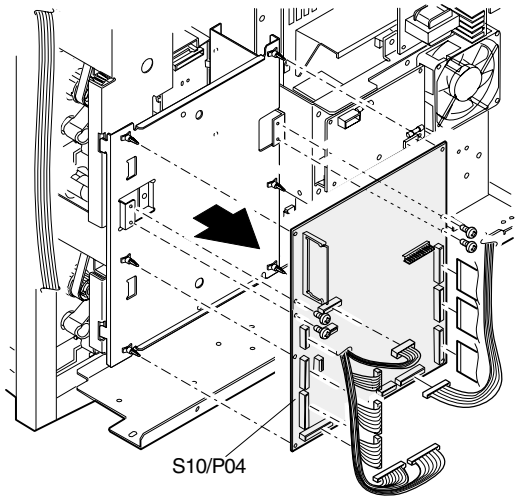
S10/P04 PCU main PWB (AR-C250/C160)
S10/P04 PCU main PWB A (AR-C100/C150)
S10/P05 PCU main PWB B (AR-C100/C150)

1) Remove the rear cabinet upper. S01/P02
2) Remove the rear cabinet lower. S01/P03
3) Remove the screw and the connector, and remove the PCU main PWB A and the PCU main PWB B.

(AR-C100/C150)

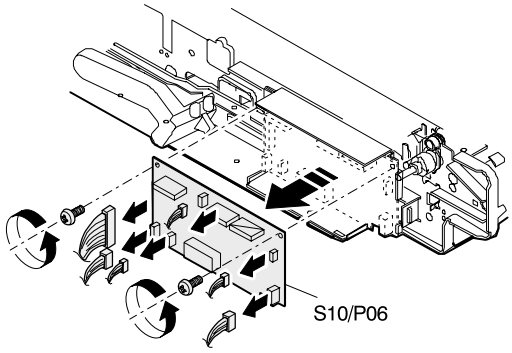


(AR-C160)



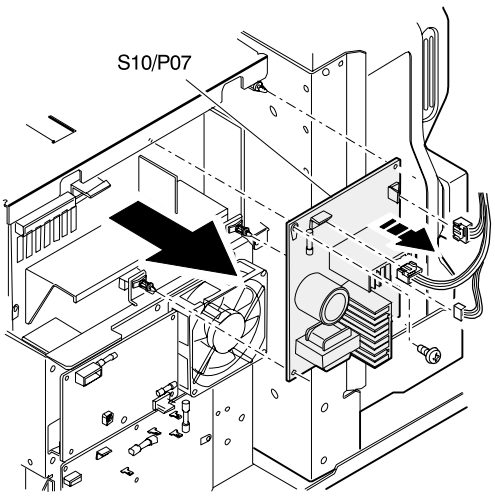
S10/P06 PCU sub PWB

1) Remove the transfer cover and the fusing cover. S06/Ua06
2) Remove the PCU sub PWB.



S10/P07 Scanner lamp control PWB

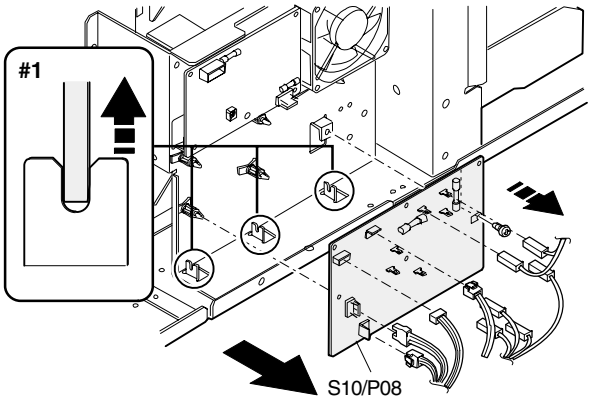
1) Remove the rear cabinet upper. S01/P02
2) Remove the rear cabinet lower. S01/P03
3) Remove the screw and the connector, and remove the scanner lamp control PWB.



S10/P08 AC main power PWB

1) Remove the rear cabinet upper. S01/P02
2) Remove the rear cabinet lower. S01/P03
3) Remove the screw and the connector, and remove the AC main power PWB.

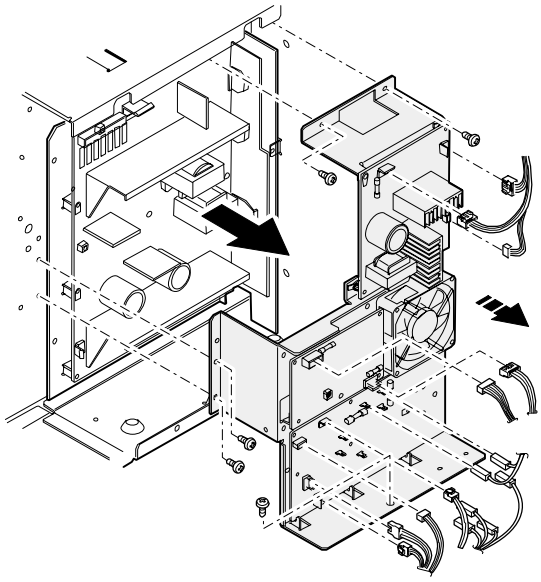
Remove it from the notch section (#1) of the frame.



S10/P09 DC main power PWB (AR-C100/C150/C250)

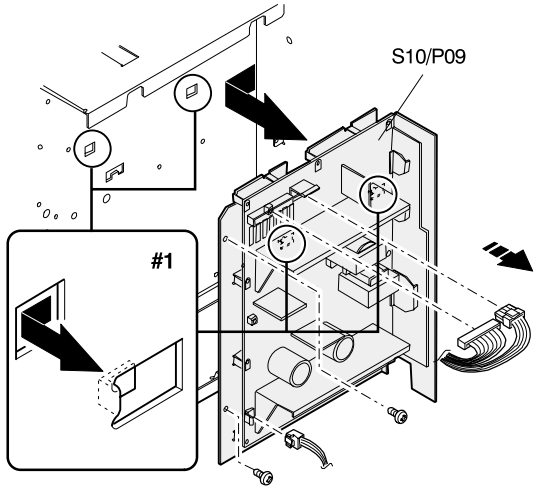
S10/P09 DC power PWB (AR-C160)

1) Remove the rear cabinet upper. S01/P02
2) Remove the rear cabinet lower. S01/P03
3) Remove the screw and the connector, and remove the AC power unit.

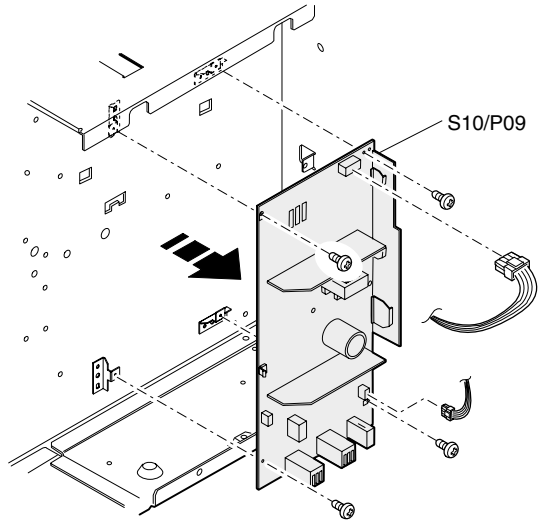


4) Remove the screw and the connector, and remove the DC main power PWB. (AR-C100/C150/C250)
   Remove the screw and the connector, and remove the DC power PWB. (AR-C160)
   Remove if from the notch section of the chassis R side (#1).

(AR-C100/C150/C250)



(AR-C160)

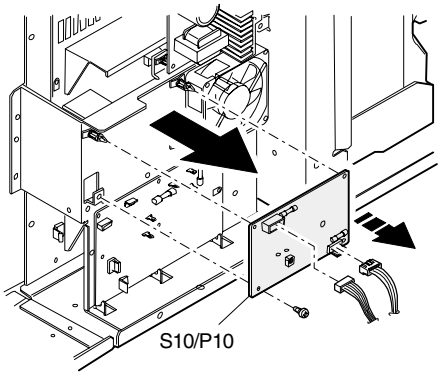


S10/P10 DC sub power PWB (AR-C100/C150/C250)

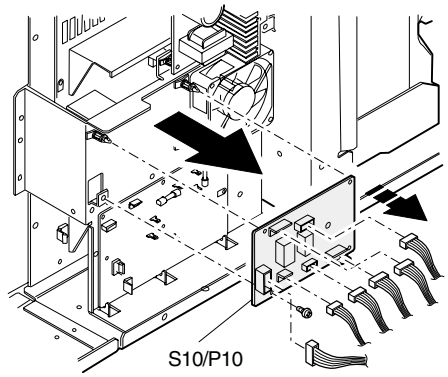
S10/P10 Power control PWB (AR-C160)

1) Remove the rear cabinet upper. S01/P02
2) Remove the rear cabinet lower. S01/P03
3) Remove the screw and the connector, and remove the DC sub power PWB. (AR-C100/C150/C250)
   Remove the screw and the connector, and remove the power control PWB. (AR-C160)

(AR-C100/C150/C250)



(AR-C160)



S10/P11 OPC drum drive PWB (AR-C100/C150/C250)

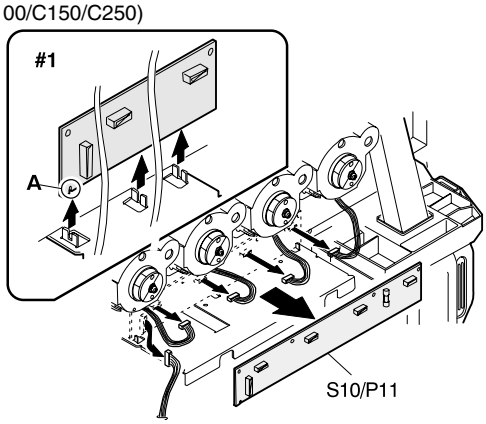
S10/P11 OPC drum drive/Signal interface PWB (AR-C160)

1) Remove the rear cabinet upper. (S01/P02)
2) Remove the rear cabinet lower. (S01/P03)
3) Remove the connector, and remove the OPC drum drive PWB. (AR-C100/C150/C250)

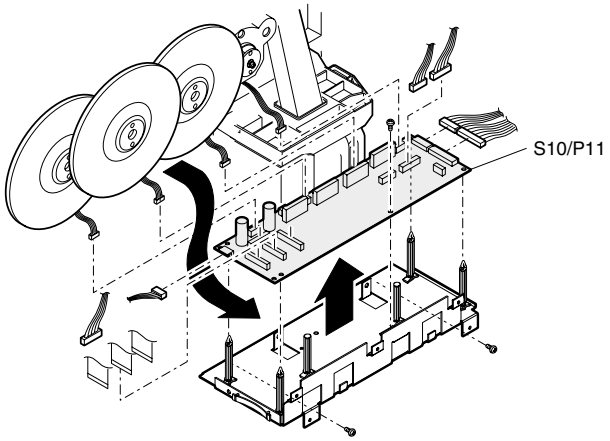
   Remove the connector, and remove the OPC drum drive/Signal interface PWB. (AR-C160)

Remove if from the notch section of the frame (#1). When assembling, engage it with the notch section.

(AR-C100/C150/C250)



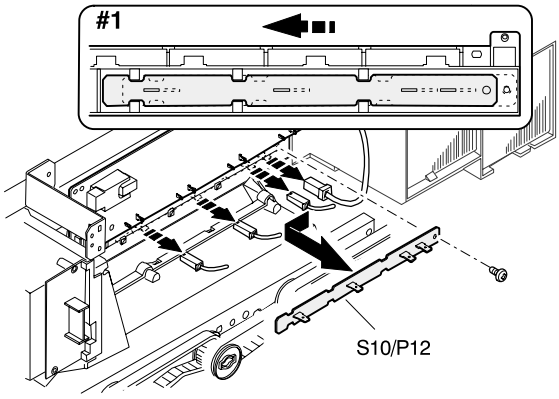
(AR-C160)



S10/P12 High voltage power interface PWB

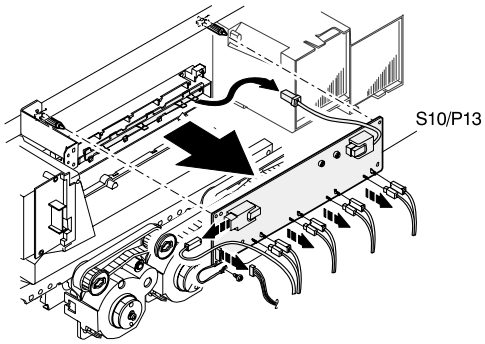
1) Remove the rear cabinet upper. S01/P02
2) Remove the rear cabinet lower. S01/P03
3) Remove the screw and the connector, and remove the high voltage power interface PWB.

Slide the MC brunch PWB (#1) to the left to remove it from the high voltage PWB mounting plate.



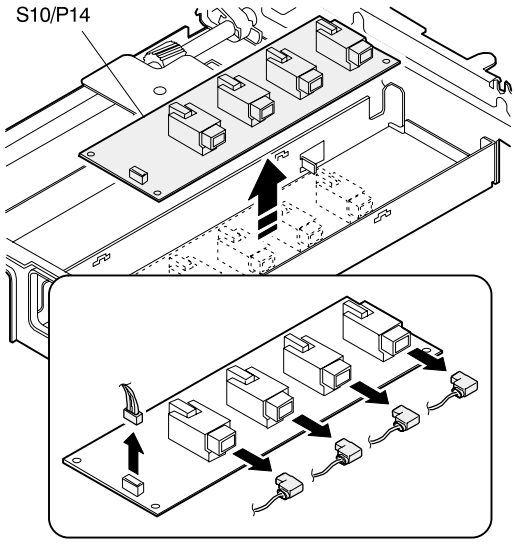
S10/P13 High voltage power PWB (Main charger/ Developing bias)

1) Remove the rear cabinet upper. S01/P02
2) Remove the rear cabinet lower. S01/P03
3) Remove the screw and the connector, and remove the high voltage power PWB (main charger. Developing bias).



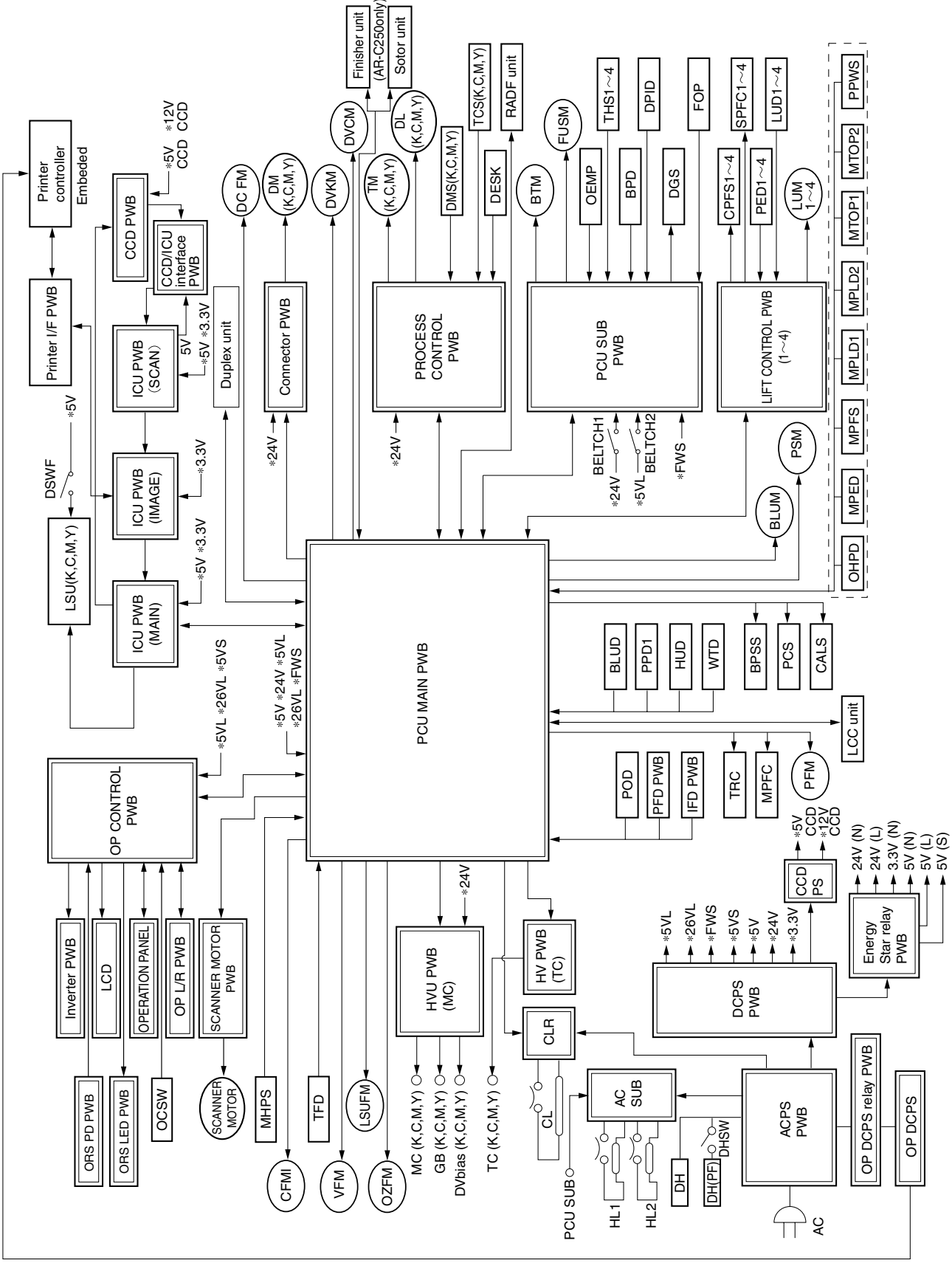
S10/P14 High voltage power PWB (Transfer charger)

1) Remove the transfer inner unit. S06/Ua06
2) Remove the high voltage power PWB (transfer charger).



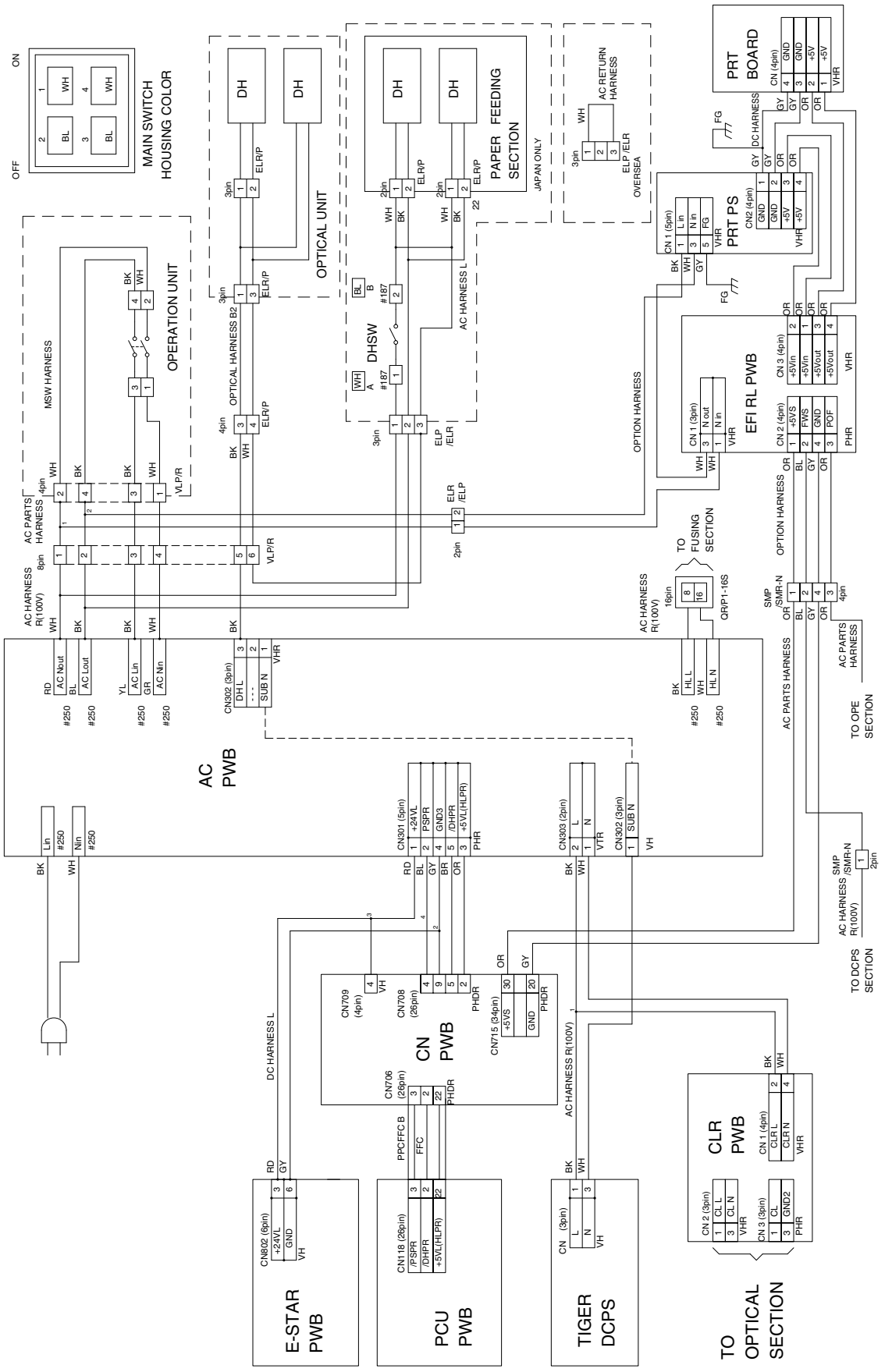
[12] BLOCK DIAGRAM

1. Overall block diagram

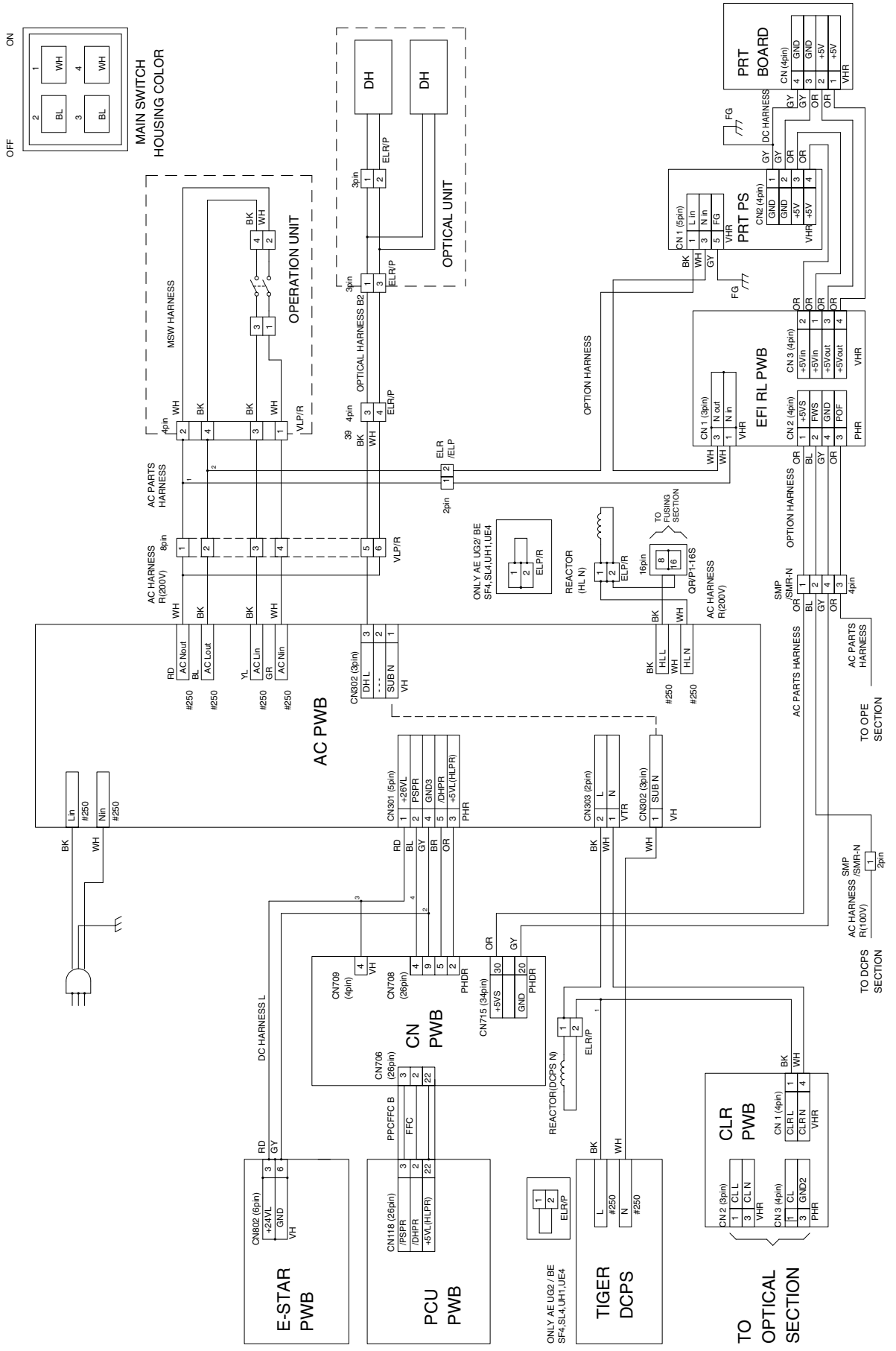


[13] ACTUAL WIRING CHART

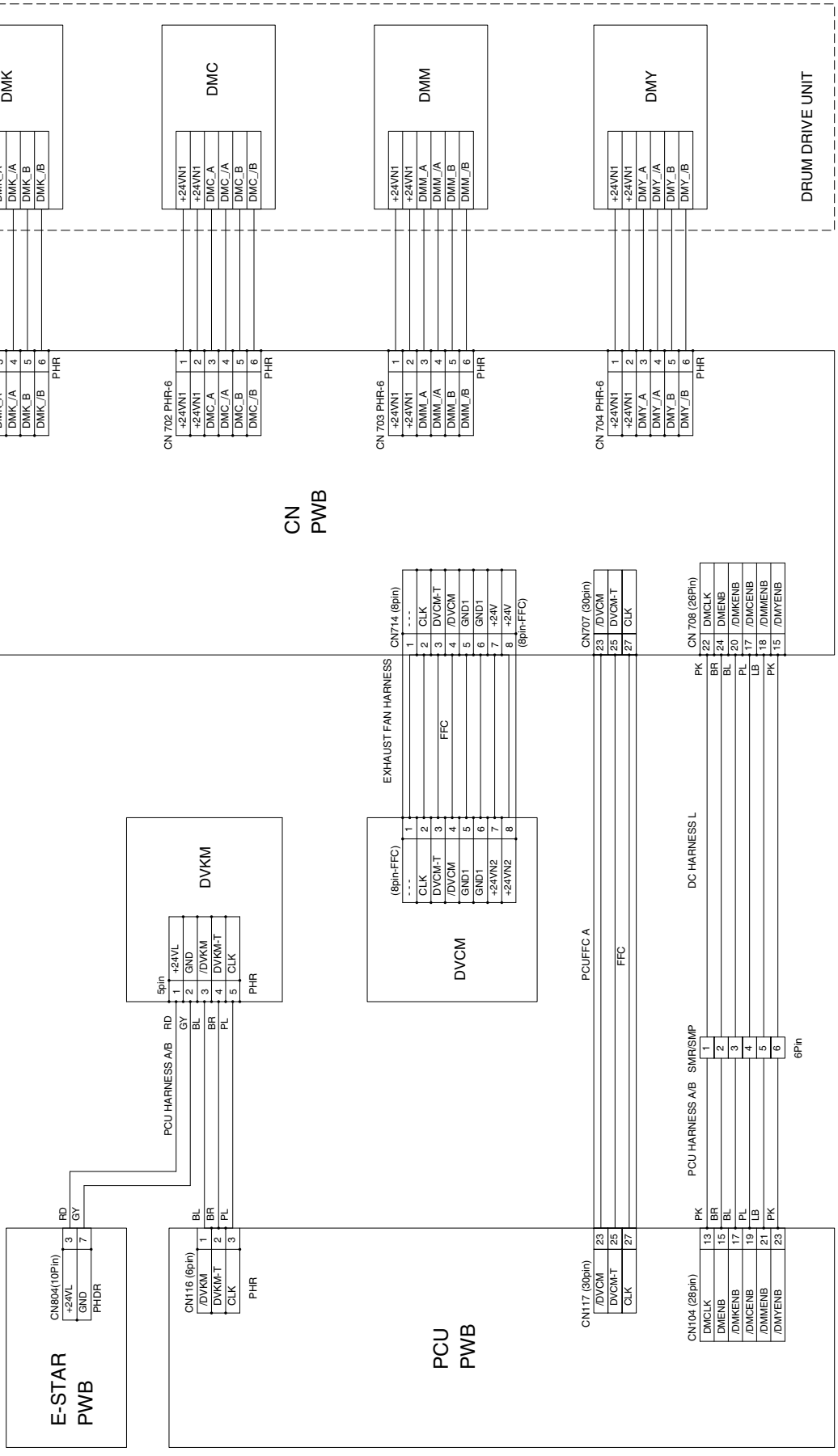
(1) AC CIRCUIT SECTION (100V)



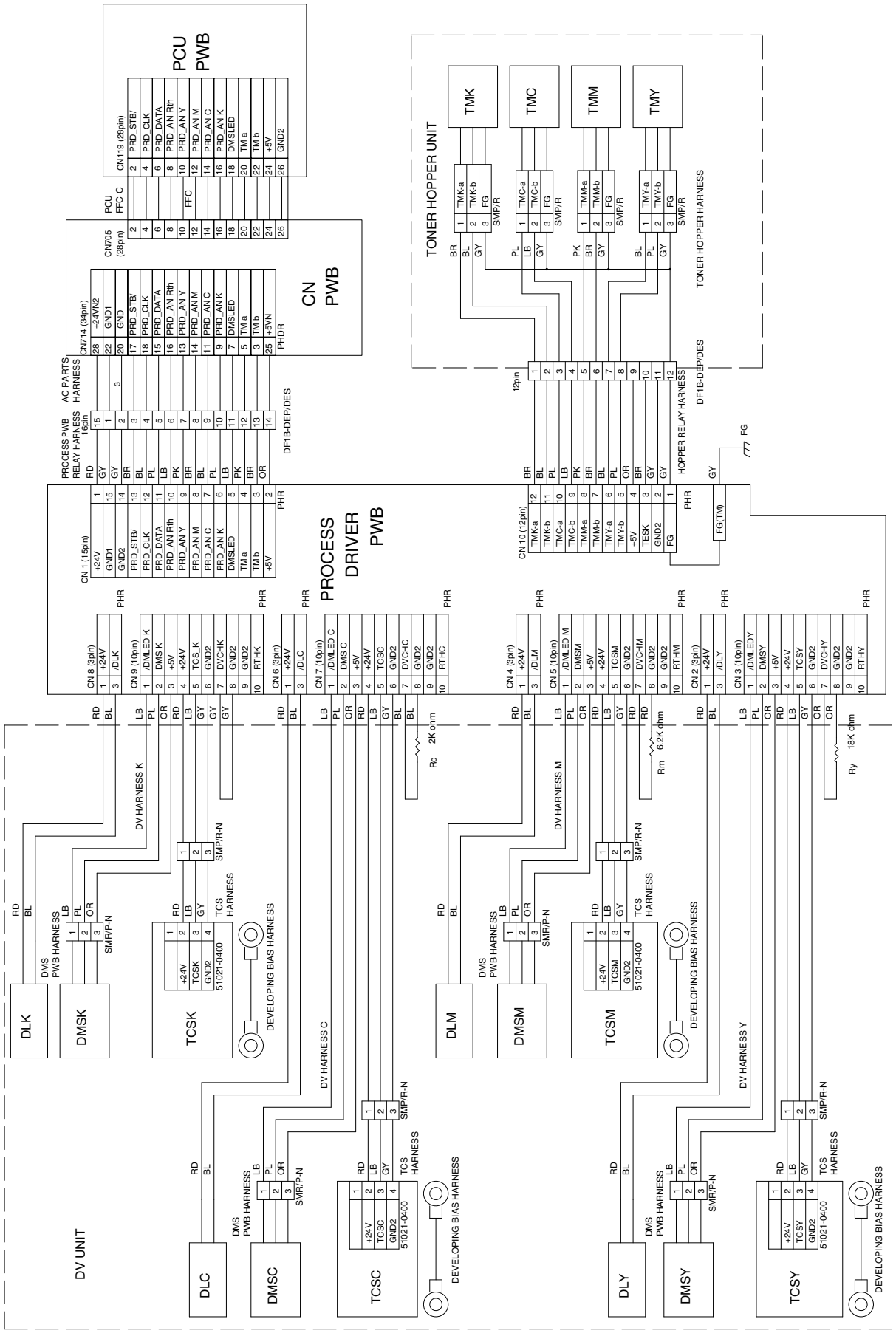
(2) AC CIRCUIT SECTION (200V)



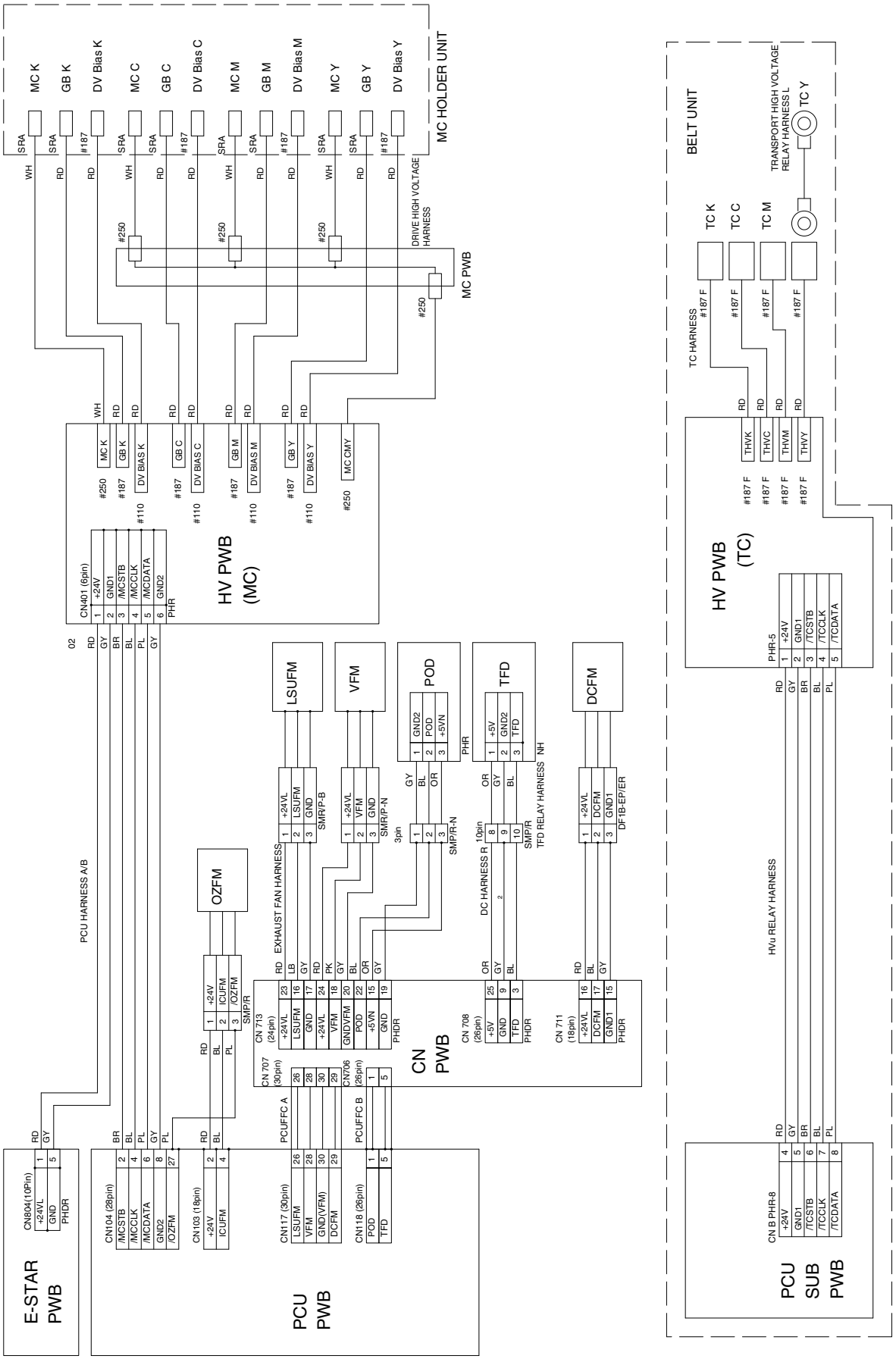
(3) DRUM DRIVE SECTION



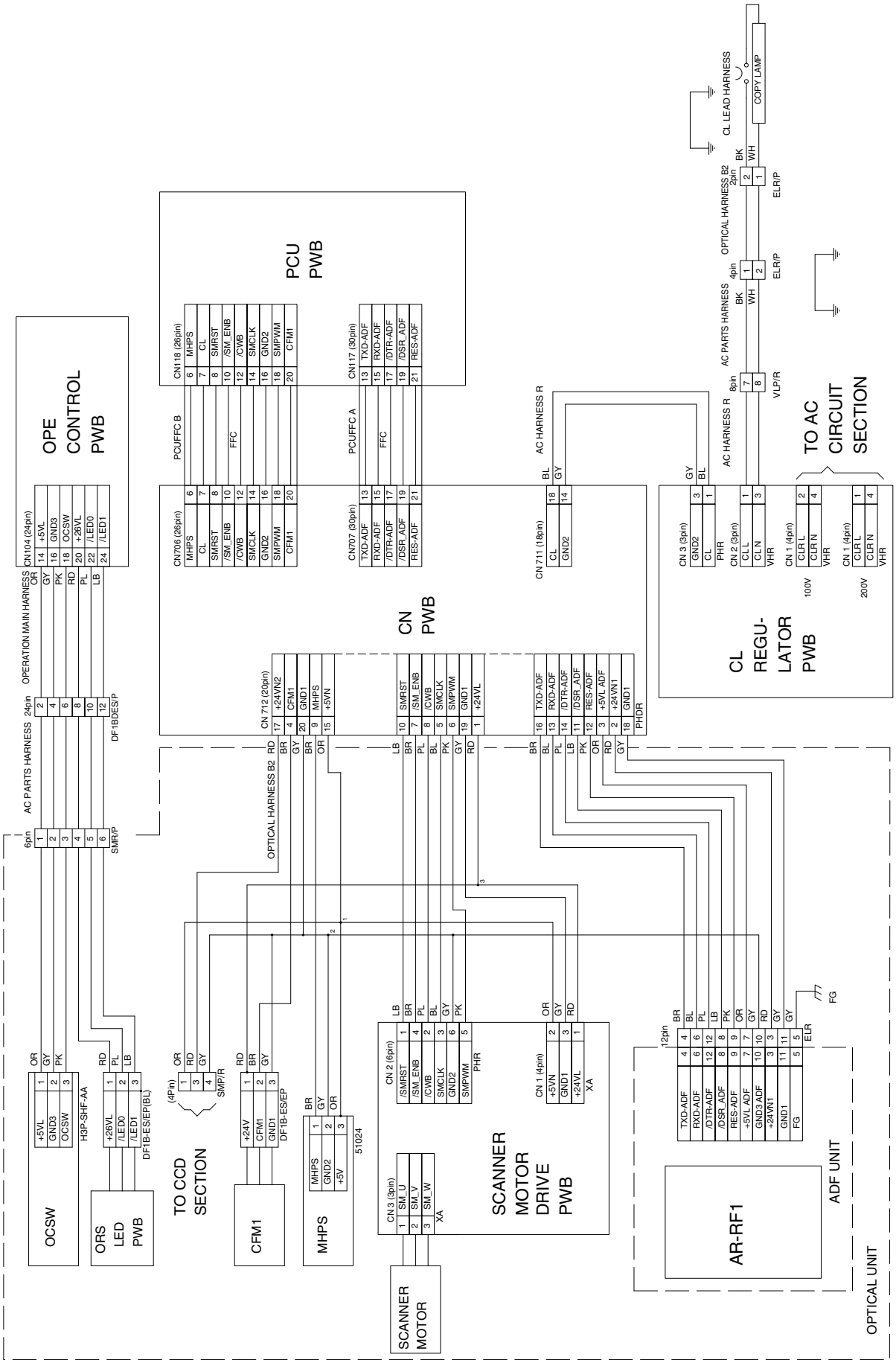
(4) DV, HOPPER SECTION



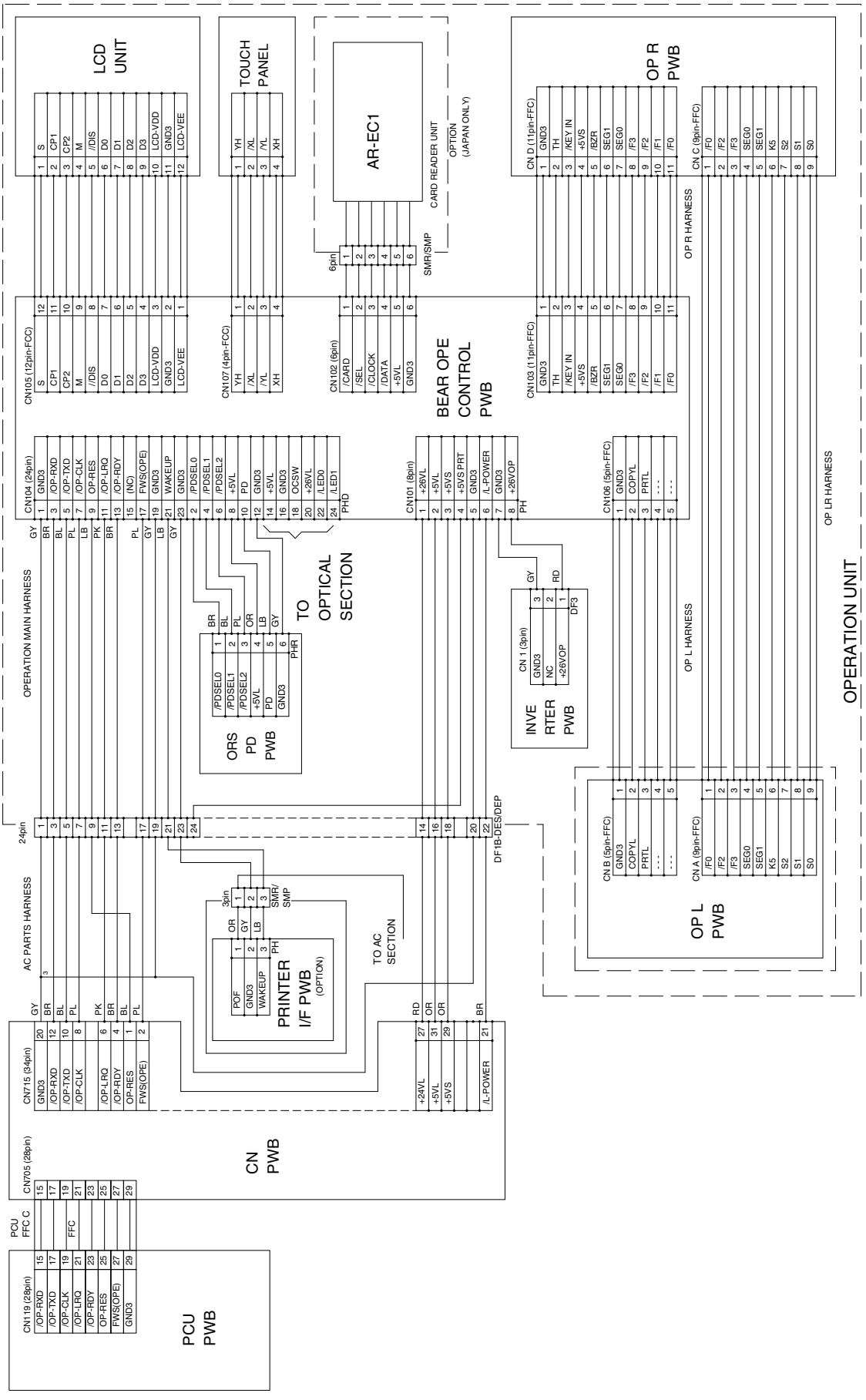
(5) PROCESS SECTION



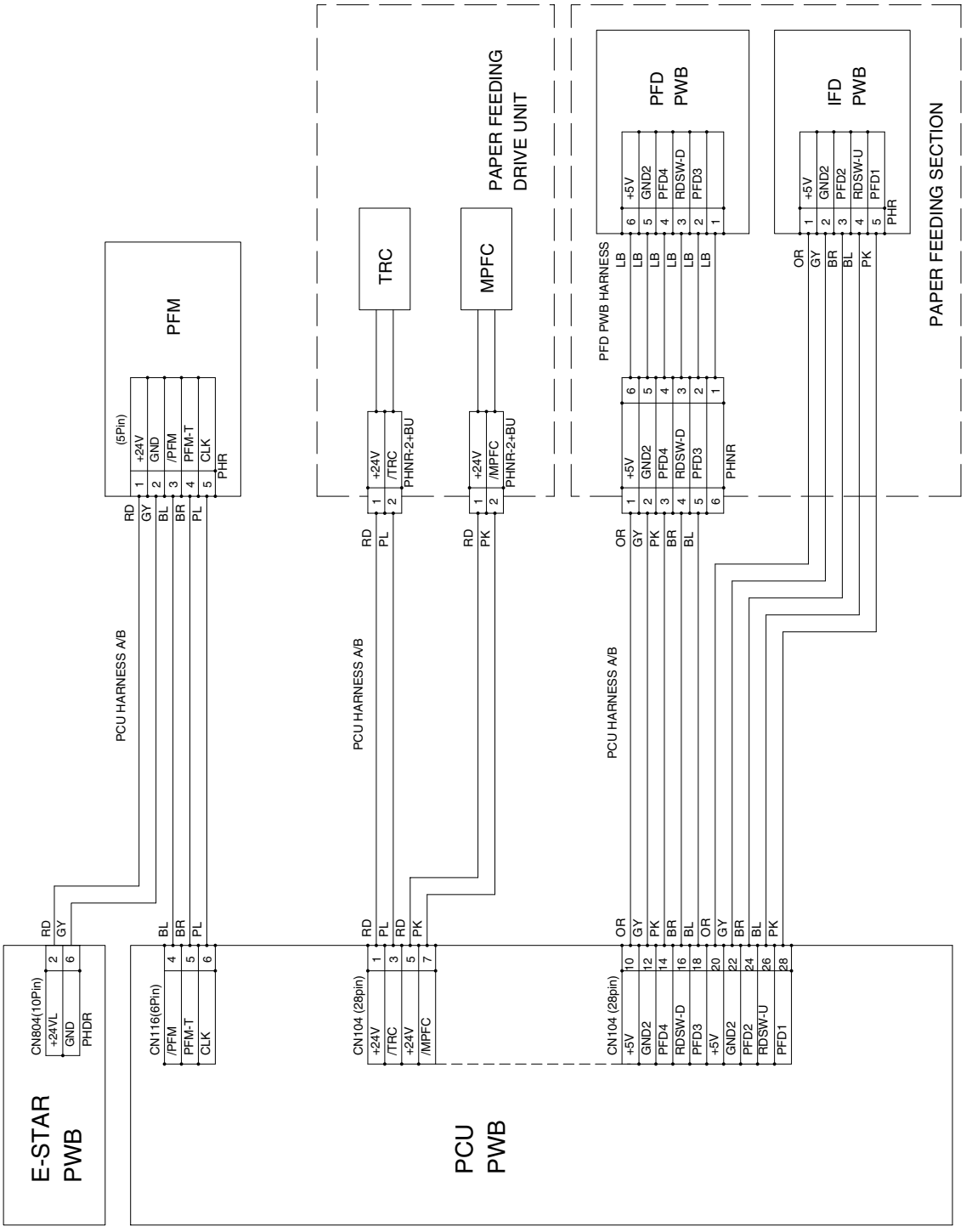
(6) OPTICAL UNIT



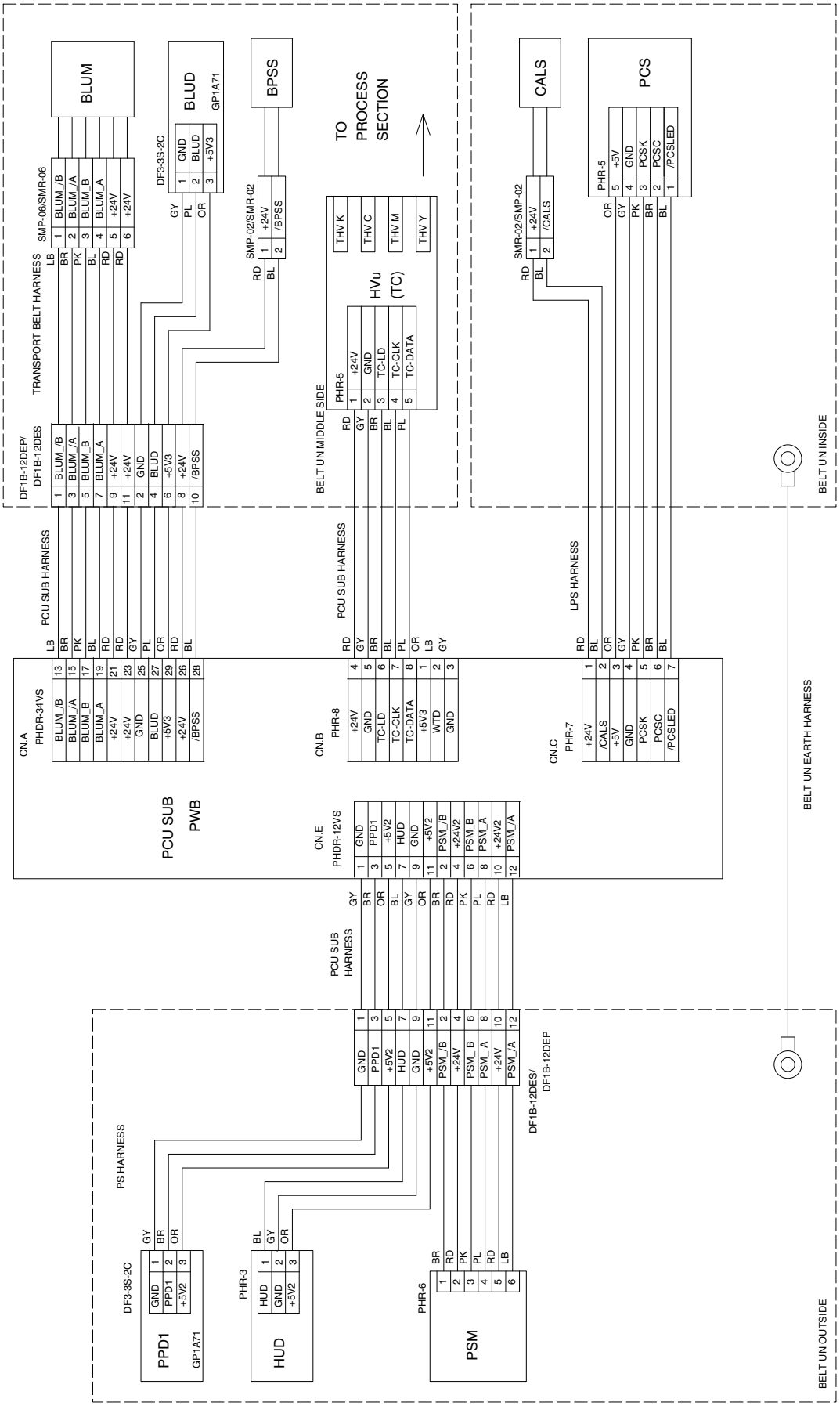
(7) OPERATION UNIT



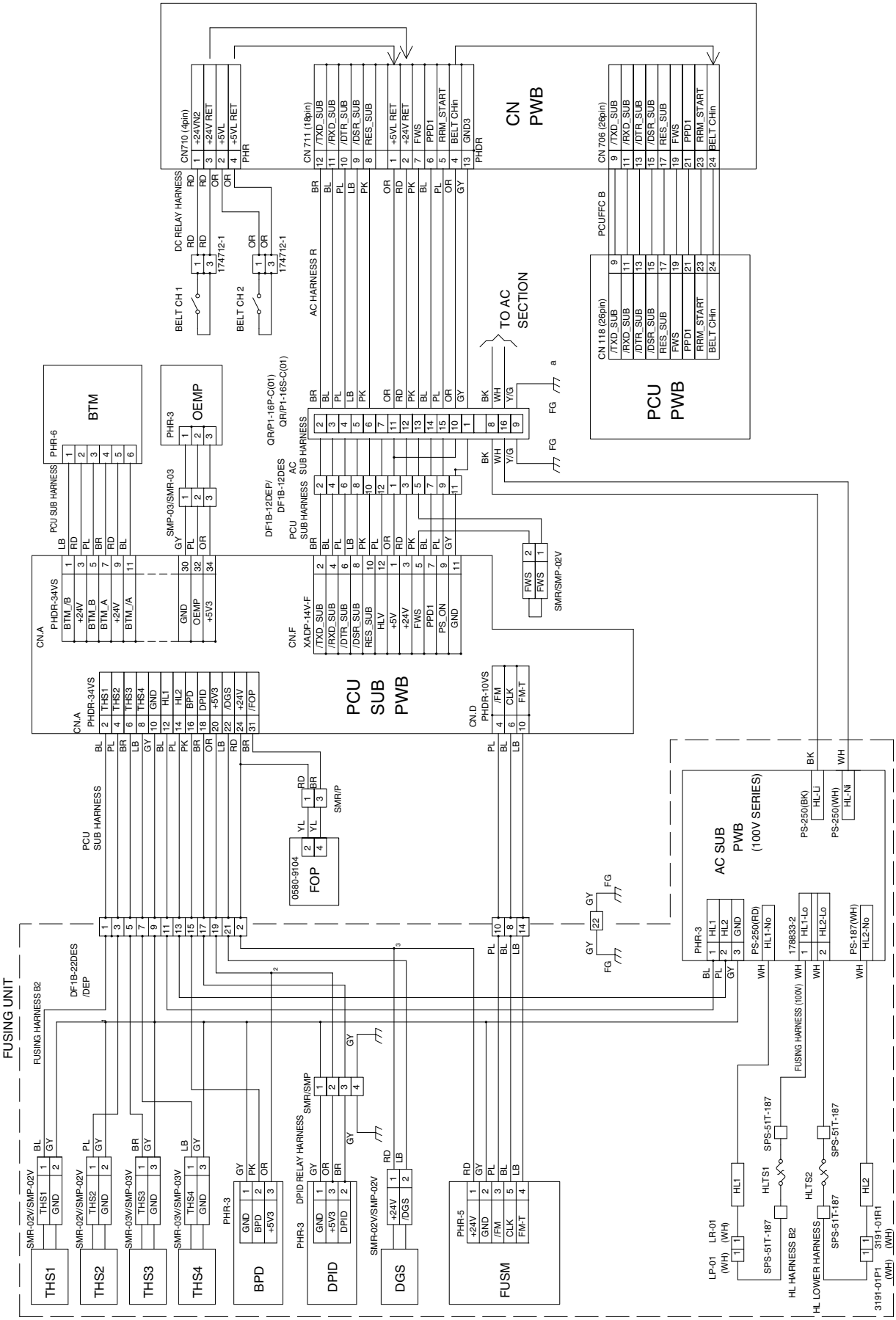
(8) TRANSPORT UNIT



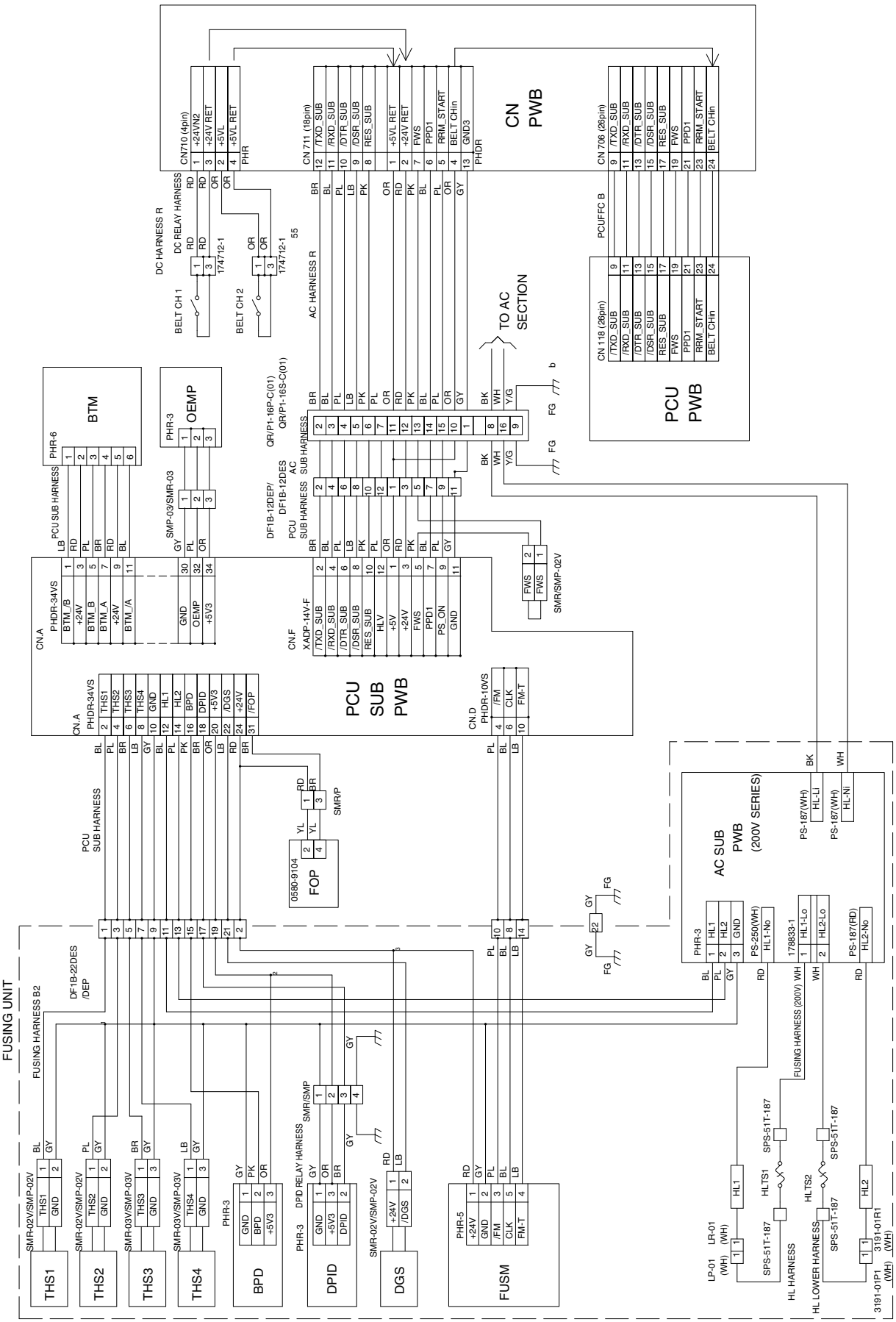
(9) TRANSPORT BELT SECTION



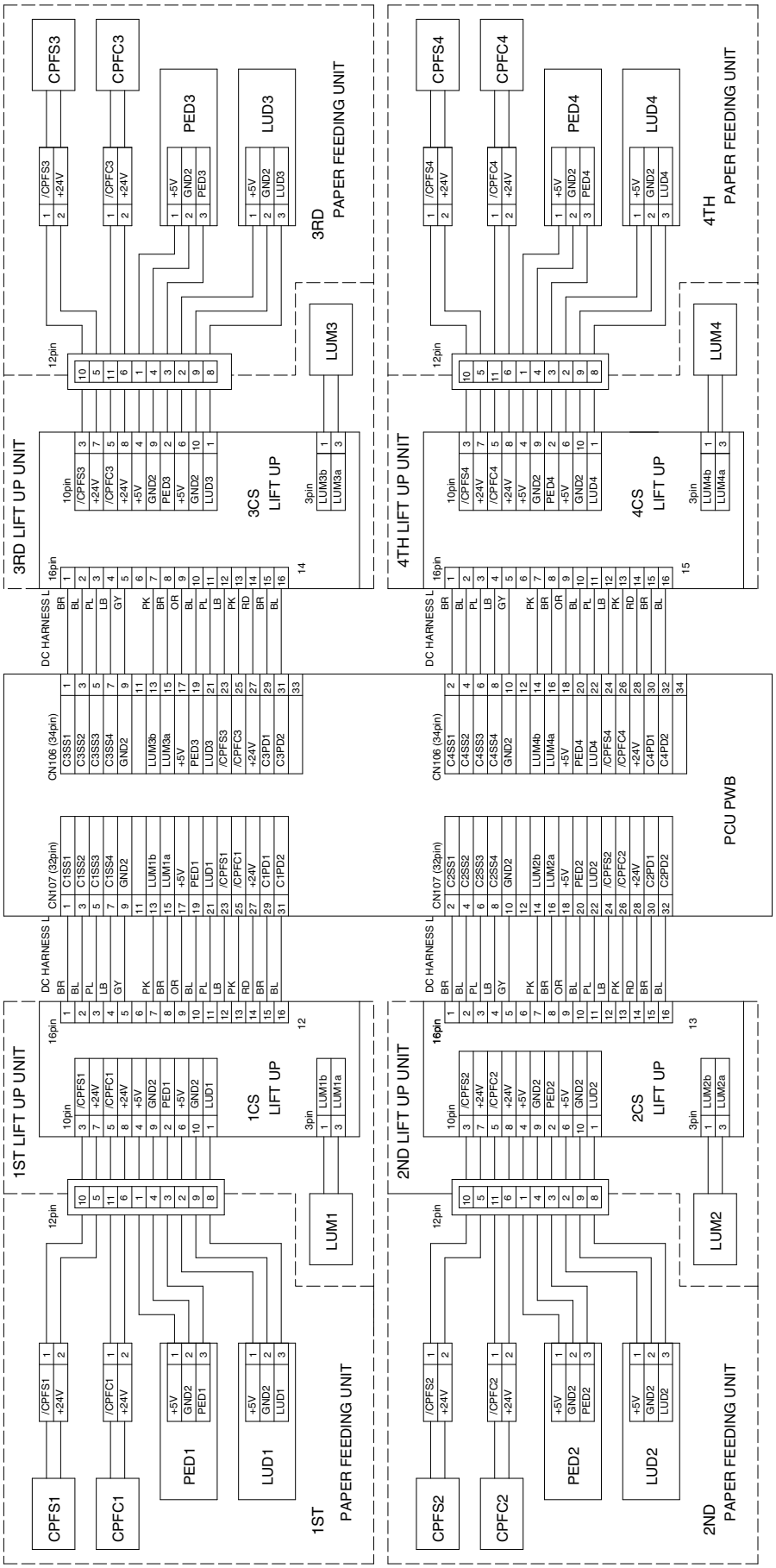
(10) FUSING UNIT (100V)



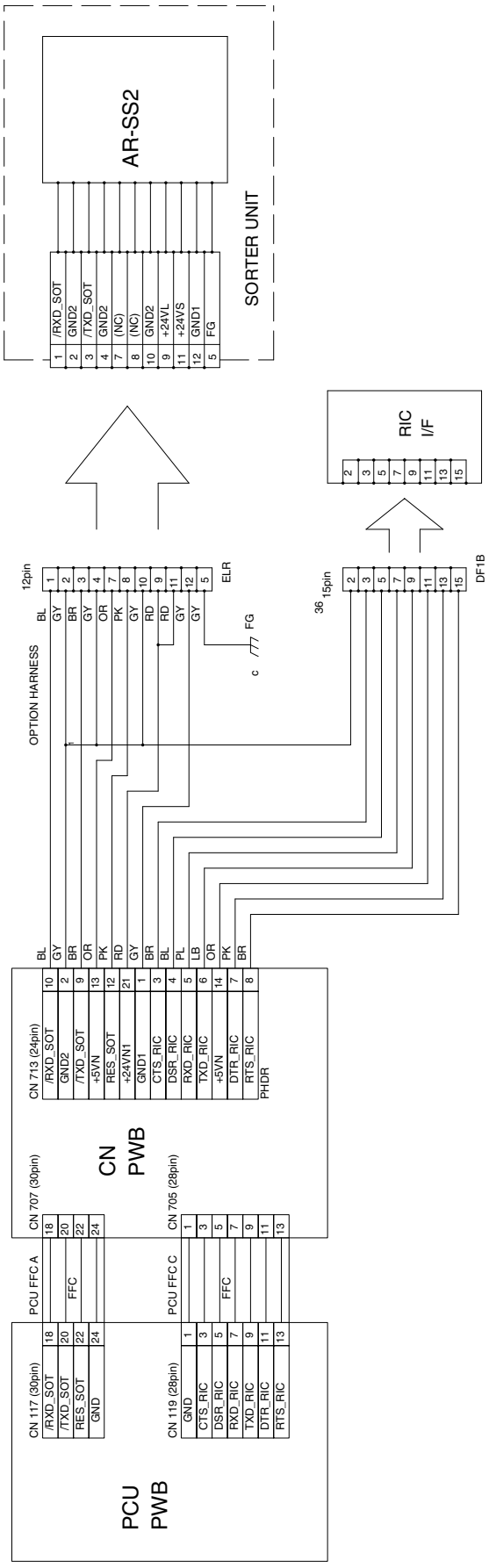
(11) FUSING UNIT (200V)



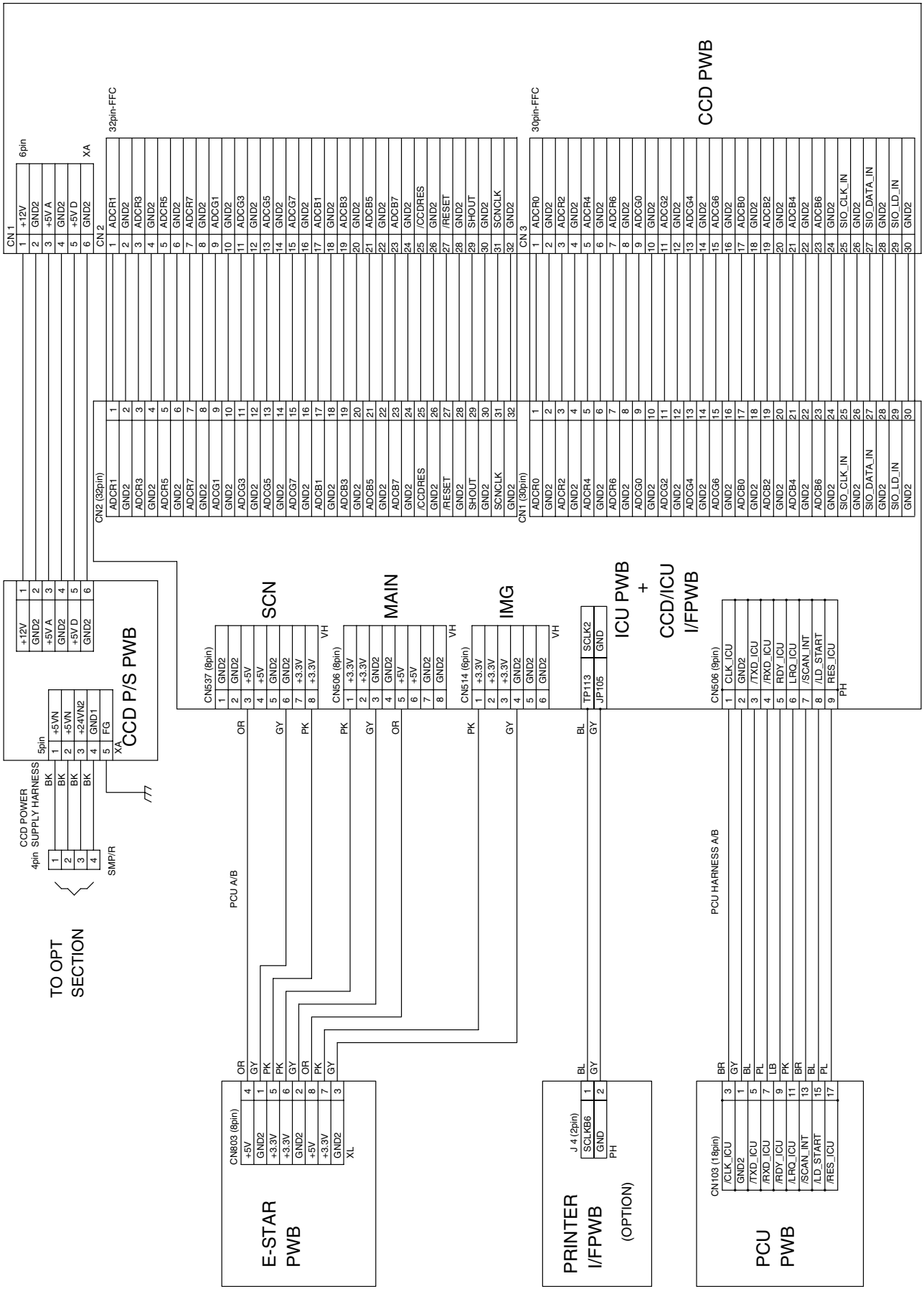
(12) LIFT UP UNIT



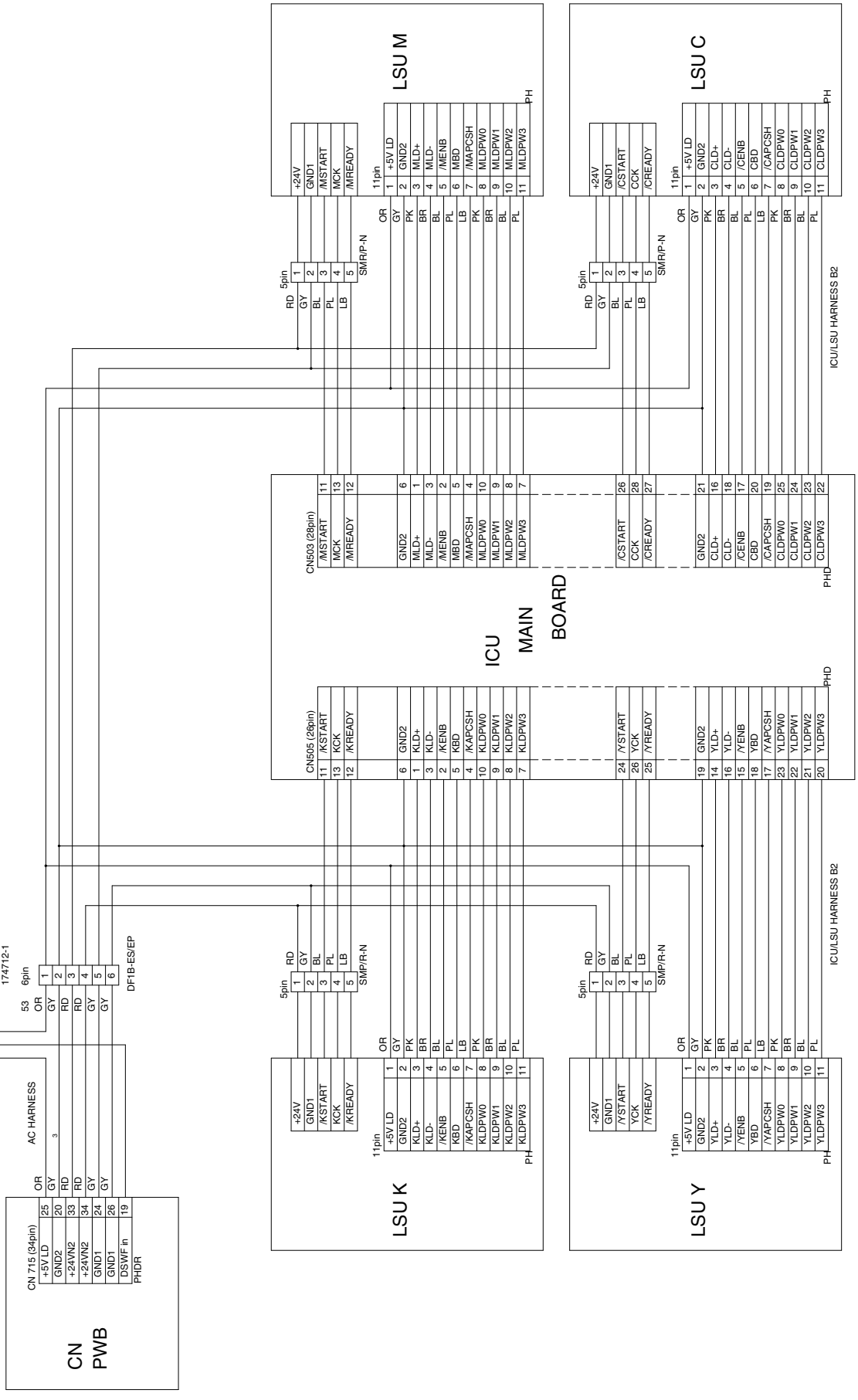
(13) EXTERIOR SECTION



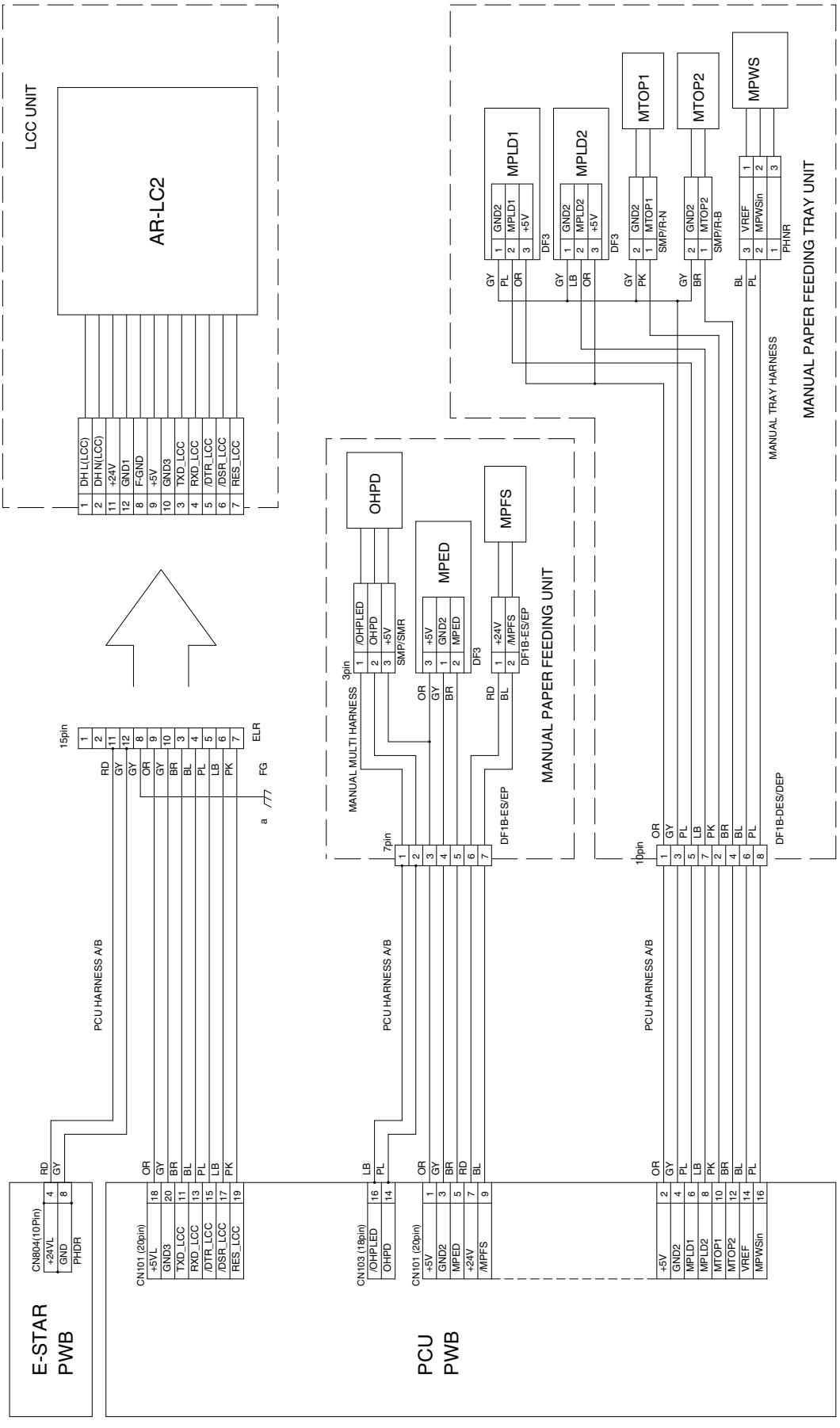
(14) CCD


CCD PWB
32pin-FFC
30pin-FFC
CN1 (30pin)
CN2 (32pin)
CN 1
CN 2
CN 3
6pin
XA
CCD P/S PWB
5pin
CCD POWER
4pin SUPPLY HARNESS
SMP/R
TO OPT
SECTION
SCN
MAIN
IMG
ICU PWB
+
CCD/ICU
I/FPWB
PCU A/B
PCU HARNESS A/B
E-STAR
PWB
PRINTER
I/FPWB
(OPTION)
PCU
PWB
CN537 (8pin)
CN506 (8pin)
CN514 (6pin)
CN803 (8pin)
CN103 (18pin)
CN5506 (9pin)
J 4 (2pin)
TP113
JP105
SCLK2

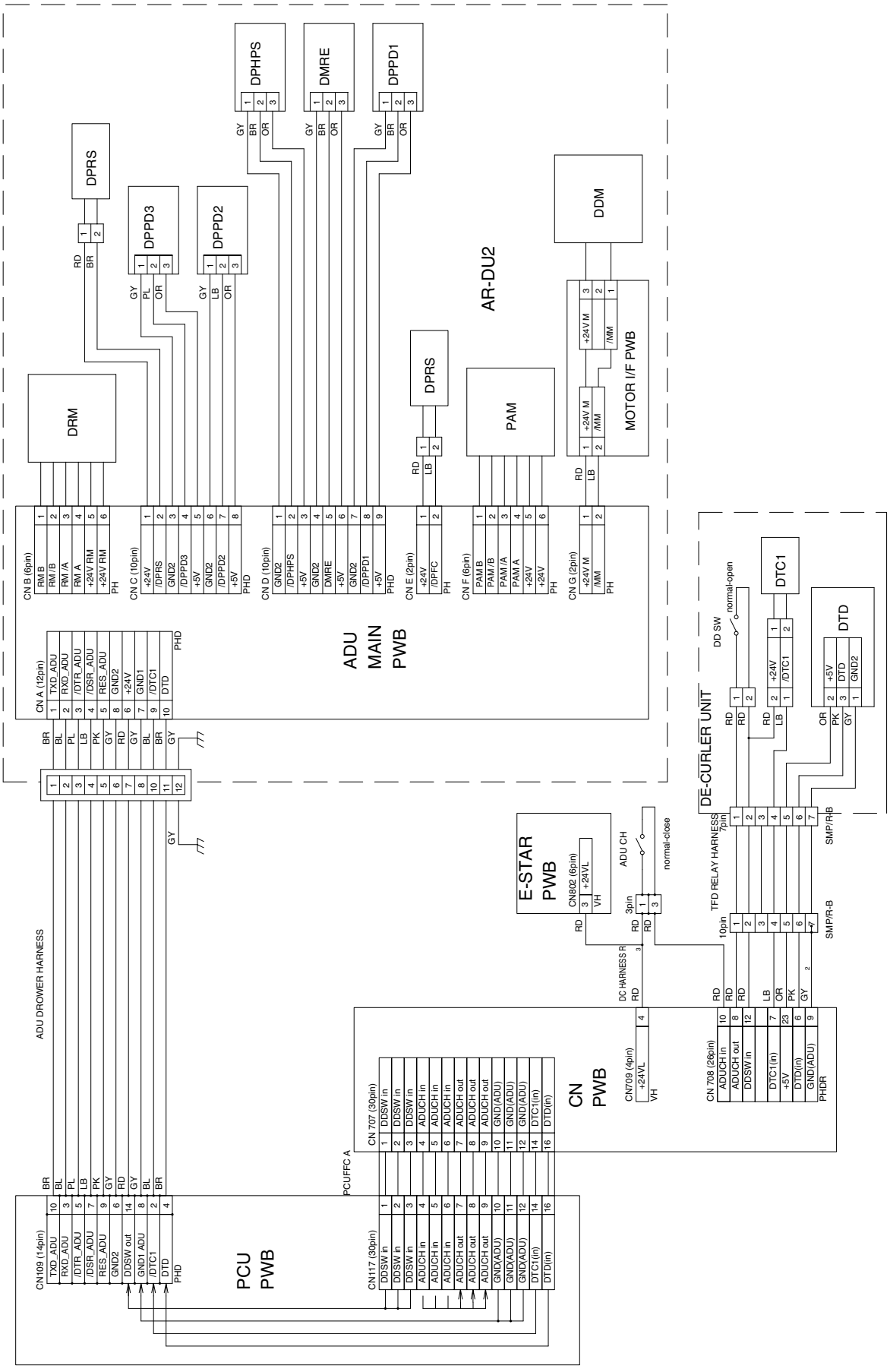
(15) LSU


CN PWB
CN 715 (34pin)
+5V LD 25
GND2 20
+24VN2 33
+24VN2 34
GND1 24
GND1 26
DSWF In 19
PHDR
OR GY RD RD GY GY GY
AC HARNESS
3
33
DSWF (+5V)
53
OR
174712-1
6pin
DF1B-ES/EP
ICU MAIN BOARD
CN503 (28pin)
/MSTART 11
MCK 13
/MREADY 12
GND2 6
MLD+ 1
MLD- 3
/MENB 2
MBD 5
/MAPCSH 4
MLDPW0 10
MLDPW1 9
MLDPW2 8
MLDPW3 7
/CSTART 26
CCK 28
/CREADY 27
GND2 21
CLD+ 16
CLD- 18
/CENB 17
CBD 20
/CAPCSH 19
CLDPW0 25
CLDPW1 24
CLDPW2 23
CLDPW3 22
PHD
CN505 (26pin)
/KSTART 11
KCK 13
/KREADY 12
GND2 6
KLD+ 1
KLD- 3
/KENB 2
KBD 5
/KAPCSH 4
KLDPW0 10
KLDPW1 9
KLDPW2 8
KLDPW3 7
/YSTART 24
YCK 26
/YREADY 25
GND2 19
YLD+ 14
YLD- 16
/YENB 15
YBD 18
/YAPCSH 17
YLDPW0 23
YLDPW1 22
YLDPW2 21
YLDPW3 20
PHD
ICU/LSU HARNESS B2
ICU/LSU HARNESS B2
LSU M
LSU C
LSU K
LSU Y
5pin
11pin
SMP/R-N
PH
+24V
GND1
/MSTART
MCK
/MREADY
+5V LD
GND2
MLD+
MLD-
/MENB
MBD
/MAPCSH
MLDPW0
MLDPW1
MLDPW2
MLDPW3
/CSTART
CCK
/CREADY
CLD+
CLD-
/CENB
CBD
/CAPCSH
CLDPW0
CLDPW1
CLDPW2
CLDPW3
/KSTART
KCK
/KREADY
KLD+
KLD-
/KENB
KBD
/KAPCSH
KLDPW0
KLDPW1
KLDPW2
KLDPW3
/YSTART
YCK
/YREADY
YLD+
YLD-
/YENB
YBD
/YAPCSH
YLDPW0
YLDPW1
YLDPW2
YLDPW3

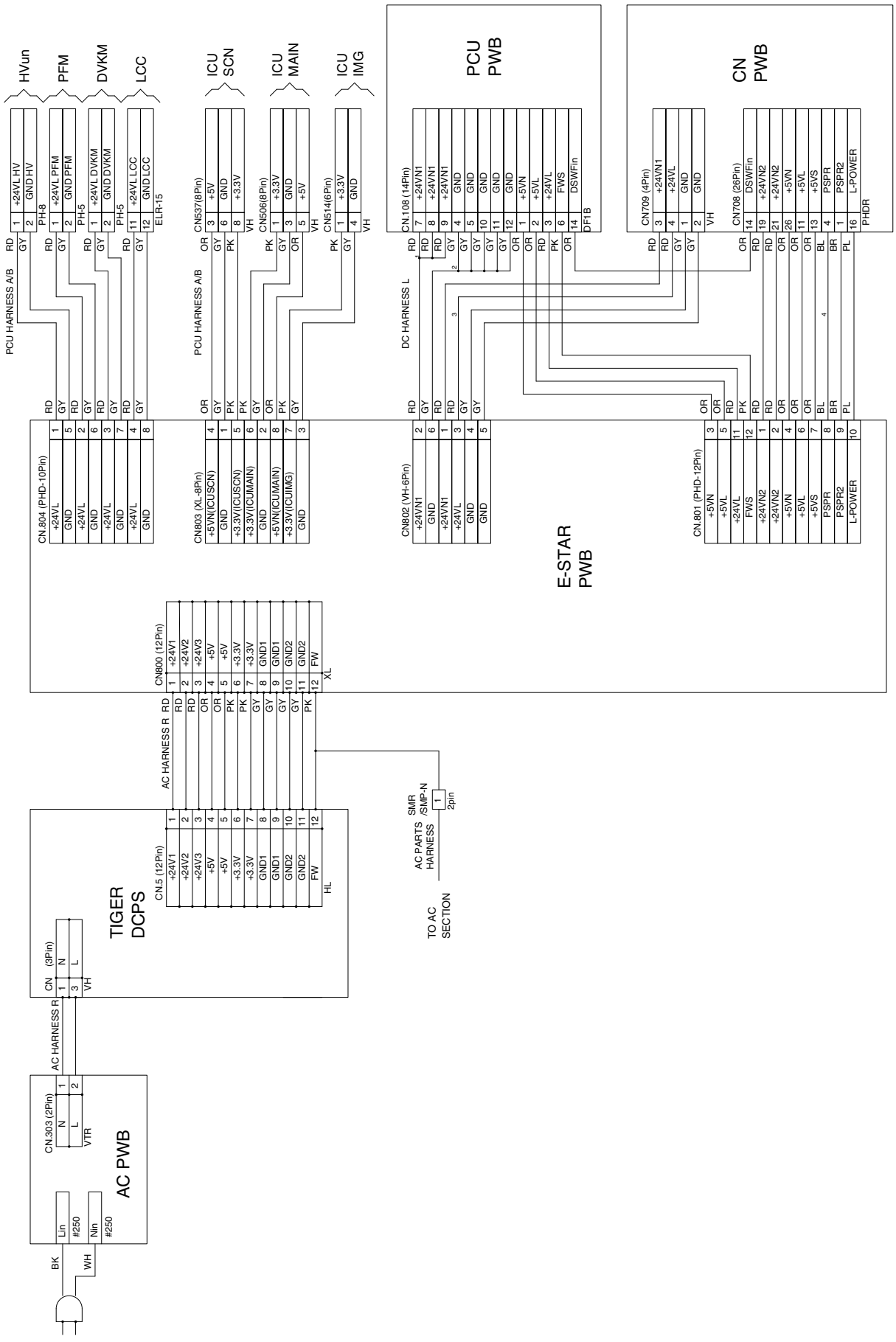
(16) MANUAL PAPER FEEDING, LCC



(17) ADU


AR-DU2
ADU MAIN PWB
MOTOR I/F PWB
DRM
DPRS
DPPD3
DPPD2
DPHPS
DMRE
DPPD1
DDM
PAM
DE-CURLER UNIT
DD SW
normal-open
DTC1
DTD
E-STAR PWB
ADU CH
normal-close
TFD RELAY HARNESS
ADU DROWER HARNESS
DC HARNESS R
PCU PWB
PCUFFC A
CN PWB
SMP/R-B

(18) DCPS I/F SECTION



[14] OTHERS

1. List of adjustment/setup values

Simulation Code		Content/Item		Set range	Default	Model				NOTE	Data store location
Main	Sub.					AR-C100	AR-C150	AR-C250	AR-C160		
07	01	Aging setup	A: Aging	ON/OFF	OFF	❍	❍	❍	❍	The setup data are not stored.	
			B: JAM detection ON/OFF setup	ON/OFF	OFF	❍	❍	❍	❍		
			C: Fusing ON/OFF setup	ON/OFF	OFF	❍	❍	❍	❍		
			D: Warm-up ON/OFF setup	ON/OFF	OFF		❍	❍	❍		
			E: Aging intermittent ON/OFF setup	ON/OFF	OFF	❍	❍	❍	❍		
			F: Developing unit detection ON/OFF setup	ON/OFF	OFF	❍	❍	❍	❍		
			G: Oil check ON/OFF setup	ON/OFF	OFF			❍	❍		
08	01	Developing bias output voltage adjustment	A: (Black)	0 –700	325	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: (Cyan)	0 –700	325	❍	❍	❍	❍		
			C: (Magenta)	0 –700	325	❍	❍	❍	❍		
			D: (Yellow)	0 –700	325	❍	❍	❍	❍		
	02	Charging/Grid setup (AR-C100/C150)	A: (Black)	200 –900	525	❍	❍				EEPROM (PCU PWB)
			B: (Cyan)	200 –900	525	❍	❍				
			C: (Magenta)	200 –900	525	❍	❍				
			D: (Yellow)	200 –900	525	❍	❍				
		Charging/Grid setup (AR-C160/C250)	A: (Black)	200 –900	545 (555)			❍	❍	( ) AR-C160	EEPROM (PCU PWB)
			B: (Cyan)	200 –900	545 (555)			❍	❍		
			C: (Magenta)	200 –900	545 (555)			❍	❍		
			D: (Yellow)	200 –900	545 (555)			❍	❍		
	06	Transfer voltage adjustmetnt (Old)	A: Normal (Face) print (Black)	51 –255	178	❍	❍				EEPROM (PCU PWB)
			B: Back print (Black)	51 –255	178	❍	❍				
			C: OHP print (Black)	51 –255	204	❍	❍				
			D: Thick paper print (Black)	51 –255	204	❍	❍				
			A: Normal (Face) print (Cyan)	51 –255	164	❍	❍				
			B: Back print (Cyan)	51 –255	164	❍	❍				
			C: OHP print (Cyan)	51 –255	209	❍	❍				
			D: Thick paper print (Cyan)	51 –255	187	❍	❍				
			A: Normal (Face) print (Magenta)	51 –255	123	❍	❍				
			B: Back print (Magenta)	51 –255	123	❍	❍				
			C: OHP print (Magenta)	51 –255	167	❍	❍				
			D: Thick paper print (Magenta)	51 –255	138	❍	❍				
			A: Normal (Face) print (Yellow)	51 –255	123	❍	❍				
			B: Back print (Yellow)	51 –255	123	❍	❍				
			C: OHP print (Yellow)	51 –255	182	❍	❍				
			D: Thick paper print (Yellow)	51 –255	138	❍	❍				
21	01	Maintenance cycle setup	Maintenance timing (Print quantity)	0 –6	4	❍	❍	❍	❍	0. 5K 1. 10K 2. 15K 3. 20K 4. 40K 5. 80K 6. FREE	EEPROM (PCU PWB)
			Maintenance message redisplay	0 –2	1	❍				0. 500 sheets 1. 1000 sheets 2. 2000 sheets	EEPROM (PCU PWB)
24	05	Reset the developer counter [YMCK]	Select the color (Black, Cyan, Magenta, Yellow)		0	❍	❍	❍	❍		EEPROM (PCU PWB)
	07	Reset the OPC drum correction counter	Select the color (Black, Cyan, Magenta, Yellow)		0	❍	❍	❍	❍		EEPROM (PCU PWB)
25	02	Toner concentration reference control level	(Black)	0 –255	128	❍	❍	❍	❍	The adjustment value cannot be entered directly	EEPROM (PCU PWB)
			(Cyan)	0 –255	128	❍	❍	❍	❍		
			(Magenta)	0 –255	128	❍	❍	❍	❍		
			(Yellow)	0 –255	128	❍	❍	❍	❍		
26	01	Option setup	RADF	Option/ None	None		❍	❍	❍		EEPROM (PCU PWB)
			DUPLEX / PAPER FEED TRAY	Option/ None	None		❍	❍	❍		
			FINISHER	Option/ None	None			❍	❍	The AR-C150 is not capable of installation of the finisher.	
			PRINTER	Option/ None	None		❍	❍	❍		

Simulation Code		Content/Item		Set range	Default	Model				NOTE	Data store location
Main	Sub.					AR-C100	AR-C150	AR-C250	AR-C160		
26	02	Tray/size setup	LCC paper size	0 –3	0		❍	❍	❍		EEPROM (PCU PWB)
			8.5" × 13" paper size detection	0 –1	0		❍	❍	❍		
			Manual paper feed paper display type	0 –2	1		❍	❍	❍		
	03	Auditor mode setup	Auditor mode	1 –3 (New)	1		❍	❍	❍	1. P10 2. AR-EC1 3. VENDOR (Mode 1 –3)	EEPROM (PCU PWB)
				1 –3 (Old)	1		❍			1. P10 2. CARD 3. Other	
				1 –2 (Old)	1			❍		1. P10 2. AR-EC1	
				1 –4	3	❍				1. MODE1 (AR-C100) 2. MODE2 3. MODE3 4. NONE	
			Receipt display	0 –1	0	❍					
	05	Counter mode setup	A: B/W (A3/A3 Wide/11 × 17) copy (total)	1 –2	2		❍	❍	❍		EEPROM (PCU PWB)
					1	❍					
			B: Color (A3/A3 Wide/11 × 17) copy (total)	1 –2	2		❍	❍	❍		
					1	❍					
			C: B/W (A3/A3 Wide/11 × 17) copy (maintenance)	1 –2	2	❍	❍	❍	❍		
			D: Color (A3/A3 Wide/11 × 17) copy (maintenance)	1 –2	2	❍	❍	❍	❍		
			E: B/W (A3/A3 Wide/11 × 17) copy (developer)	1 –2	2	❍	❍	❍	❍		
			F: Color (A3/A3 Wide/11 × 17) copy (developer)	1 –2	2	❍	❍	❍	❍		
	06	Destination setup	Destination	1 –9	1		❍	❍	❍		EEPROM (PCU PWB)
		User logo setup	User logo	0 –10	0	❍				AR-C100 only	
	18	Toner save mode setup	A: Toner save mode	0 –1	0	❍	❍	❍	❍	Only for Japan and UK	EEPROM (PCU PWB)
	22	Language setup	Language				❍	❍	❍	English (US) / Japanese / German / French / Danish / Italian / Spanish / Swedish / English (UK)	EEPROM (PCU PWB)
	28	AC power voltage setup	AC power voltage	100 / 120 / 230	100	❍				The set value (default) differs depending on the destination.	EEPROM (PCU PWB)
					120		❍	❍	❍		
					230		❍	❍	❍		
	30	CE mark conformity control inhibition	A: CE mark set value	0 –1	0	❍	❍	❍	❍	The set value (default) differs depending on the destination.	EEPROM (PCU PWB)
	32	Fan motor RPM setup	A: VFM	0 –100	15	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: VFM(HEAT)	0 –100	15	❍	❍	❍	❍		
			C: CFM1	0 –100	0	❍	❍	❍	❍		
			D: LSUFM	0 –100	15	❍	❍	❍	❍		
			E:DCFM	0 –100	0	❍	❍	❍	❍		
	35	Trouble memory mode setup	A: Trouble memory mode	0 –1	0	❍	❍	❍	❍		EEPROM (PCU PWB)
	45	Copy fee setup	A: Black/white copy	0 –999	10	❍					EEPROM (PCU PWB)
			B: Color copy	0 –999	50	❍					
			C: A3 color copy	0 –999	100	❍					
			D: Copy fee display	0 –1	1	❍					
	52	Non-print paper (insertion paper, cover paper) count up YES/NO setup	A: Count up YES/NO	0 –1	*	❍	❍	❍	❍	Japan/Australia : 0, Others : 1	EEPROM (PCU PWB)
	53	User auto color calibration (Copy color balance/density auto adjustment) YES/NO setup	A: YES/NO	0 –1	*		❍	❍	❍	AR-C150: 0 AR-C160/C250: 1	EEPROM (PCU PWB)
	54	LCD brightness adjustment	Dark –Light	10 –100	75			❍			EEPROM (PCU PWB)

Simulation Code		Content/Item		Set range	Default	Model				NOTE	Data store location
Main	Sub.					AR-C100	AR-C150	AR-C250	AR-C160		
26	55	Fusing capability (Image process) setup in the heavy paper mode (AR-C150)	ENABLE/DISABLE	ON/OFF	*		❍			The default value differs depending on the destination.	EEPROM (ICU PWB)
		Select the gamma characteristics in the color copy mode (AR-C250)	ENABLE/DISABLE	ON/OFF	*			❍	❍	The default value differs depending on the destination.	
27	01	PC/MODEM communication trouble (U7-00) detection YES/NO setup	A: PC/MODEM communication trouble (U7-00) detection YES/NO	0 –1	0	❍	❍	❍	❍		EEPROM (PCU PWB)
	02	Host computer/Modem number setup	Host computer/MODEM number			❍	❍	❍	❍		EEPROM (PCU PWB)
	03	Machine/Host computer MODEM ID number setup	Machine/Host computer modem ID number			❍	❍	❍	❍		EEPROM (PCU PWB)
	05	Tag number setup	Tag number			❍	❍	❍	❍		EEPROM (PCU PWB)
	06	Manual service call Enable/Disable setup	A: Manual service call YES/NO	0 –1	0	❍	❍	❍	❍		EEPROM (PCU PWB)
29	04	Printer mode fee-charging setup		0 –1	0		❍	❍	❍		EEPROM (PCU PWB)
40	02	Manual feed tray paper width detection level adjustment	A: Paper guide max. position level				❍	❍	❍	The adjustment value cannot be entered directly.	EEPROM (PCU PWB)
			B: Paper guide min. position level				❍	❍	❍		
	05	OHP sensor detection level adjustment					❍	❍	❍	The adjustment value cannot be entered directly.	EEPROM (PCU PWB)
	06	OHP sensor adjustment parameter set up	A: OHP sheet use Enable/Disable setup	0 –1	1		❍	❍	❍		EEPROM (PCU PWB)
			B: OHP sensor adjustment target level	0 –255	200		❍	❍	❍		
			C: OHP paper judgement reference level	0 –255	120		❍	❍	❍		
41	02	Original size sensor adjustment	Adjustment value (PD1 –7)	0 –255	128	❍	❍	❍	❍	The adjustment value cannot be entered directly.	EEPROM (PCU PWB)
43	01	Fusing temperature setup (AR-C100/C150)	A: Temperature set value (upper)	70 –200		❍	❍			The set value (default) differs depending on the destination. Refer to the details of SIM 43-01.	EEPROM (PCU PWB)
			B: Temperature set value (lower)	70 –200		❍	❍				
			C: Temperature set value (Ready upper)	70 –200		❍	❍				
			D: Temperature set value (Ready lower)	70 –200		❍	❍				
			E: Temperature set value (Energy saving upper)	70 –200		❍	❍				
			F: Temperature set value (Energy saving reset)	70 –200		❍	❍				
			G: Temperature set value (Thick paper upper)	70 –200			❍				
			H: Temperature set value (Thick paper lower)	70 –200			❍				
			I: Temperature set value (OHP upper)	70 –200			❍				
			J: Temperature set value (OHP lower)	70 –200			❍				

Simulation Code		Content/Item		Set range	Default	Model				NOTE	Data store location
Main	Sub.					AR-C100	AR-C150	AR-C250	AR-C160		
43	01	Fusing temperature setup (AR-C250/C160)	A: Temperature set value (upper)	70 –200				❍	❍	The set value (default) differs depending on the destination. Refer to the details of SIM 43-01.	EEPROM (PCU PWB)
			B: Temperature set value (lower)	70 –200				❍	❍		
			C: Temperature set value (Ready upper)	70 –200				❍	❍		
			D: Temperature set value (Ready lower)	70 –200				❍	❍		
			E: Temperature set value (Energy saving upper)	70 –200				❍	❍		
			F: Temperature set value (Energy saving reset)	70 –200				❍	❍		
			G: Temperature set value (Thick paper (1) upper)	70 –210				❍	❍		
			H: Temperature set value (Thick paper (1) lower)	70 –200				❍	❍		
			I: Temperature set value (Thick paper (2) upper)	70 –210				❍	❍		
			J: Temperature set value (Thick paper (2) lower)	70 –200				❍	❍		
			K: Temperature set value (OHP upper)	70 –200				❍	❍		
			L: Temperature set value (OHP lower)	70 –200				❍	❍		
	07	Fusing oil pump operation setup	A: Pump ON time	5 –50	12	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: Pump interval time	17 –250	130	❍	❍	❍	❍		
44	01	Image density correction (Process control) operation mode setup	Operation mode		All ON	❍	❍	❍	❍		EEPROM (PCU PWB)
	04	Image density correction (Process control) target level setup	A: Color image density sensor	0 –200	102	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: Black image density sensor	0 –200	133	❍	❍	❍	❍		
			C: Target density level (Yellow)	0 –200	90	❍	❍	❍	❍		
			D: Target density level (Magenta)	0 –200	100	❍	❍	❍	❍		
			E: Target density level (Cyan)	0 –200	83	❍	❍	❍	❍		
			F: Target density level (Black)	0 –200	15	❍	❍				
					22			❍	❍		
	05	Image density correction (Process control) initial developing bias voltage setup	A: (Black)	0 –700	325	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: (Cyan)	0 –700	325	❍	❍	❍	❍		
			C: (Magenta)	0 –700	325	❍	❍	❍	❍		
			D: (Yellow)	0 –700	325	❍	❍	❍	❍		
	06	Image forming section correction (Process control) forcible execution				❍	❍	❍	❍	The adjustment value cannot be entered directly.	EEPROM (PCU PWB)
	13	Image density sensor sense level adjustment	Sensor LED level	0 –255	128	❍	❍	❍	❍	The adjustment value cannot be entered directly.	EEPROM (PCU PWB)
			Dark voltage level	0 –255	30	❍	❍	❍	❍		
			Calibration sheet sense level	0 –255	102	❍	❍	❍	❍		
			Calibration plate sense level	0 –255	80	❍	❍	❍	❍		
	20	OPC drum phase adjustment (Old)	A: Print mode	1 –3	3	❍	❍			The set up data is not stored.	EEPROM (PCU PWB)
			B: Cyan OPC drum phase	0 –330	60	❍	❍				
			C: Magenta OPC drum phase	0 –330	120	❍	❍				
			D: Yellow OPC drum phase	0 –330	180	❍	❍				
			E: Paper (Paper tray)	1 –6	5	❍	❍			The set up data is not stored.	
	21	Half tone image correction initial setup	Initial setup data	0 –255	—	❍	❍	❍	❍	The set up data cannot be entered directly.	EEPROM (ICU PWB)
	23	Image density sensor sense position adjustment	Adjustment value	40 –60	50	❍	❍	❍	❍	The adjustment value cannot be entered directly.	EEPROM (ICU PWB)
	26	Half tone image correction forcible execution	Correction data	245 –755 (1 –1999) ∗1	500 (1000) ∗1	❍	❍	❍	❍	The correction data cannot be entered directly.	EEPROM (ICU PWB)
	27	Half tone image correction data reset	Correction data	245 –755 (1 –1999) ∗1	500 (1000) ∗1	❍	❍	❍	❍		EEPROM (ICU PWB)

∗1: AR-C160

Simulation Code		Content/Item		Set range	Default	Model				NOTE	Data store location
Main	Sub.					AR-C100	AR-C150	AR-C250	AR-C160		
44	30	Transfer voltage adjustment (New)	A: Normal (Face) print (Black)	51 –255	178	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: Back print (Black)	51 –255	178	❍	❍	❍	❍		
			C: OHP print (Black)	51 –255	204	❍	❍	❍	❍		
			D: Thick paper print (Black)	51 –255	204	❍	❍	❍	❍		
			A: Normal (Face) print (Cyan)	51 –255	164	❍	❍	❍	❍		
			B: Back print (Cyan)	51 –255	164	❍	❍	❍	❍		
			C: OHP print (Cyan)	51 –255	209	❍	❍	❍	❍		
			D: Thick paper print (Cyan)	51 –255	187	❍	❍	❍	❍		
			A: Normal (Face) print (Magenta)	51 –255	123	❍	❍	❍	❍		
			B: Back print (Magenta)	51 –255	123	❍	❍	❍	❍		
			C: OHP print (Magenta)	51 –255	167	❍	❍	❍	❍		
			D: Thick paper print (Magenta)	51 –255	138	❍	❍	❍	❍		
			A: Normal (Face) print (Yellow)	51 –255	123	❍	❍	❍	❍		
			B: Back print (Yellow)	51 –255	123	❍	❍	❍	❍		
			C: OHP print (Yellow)	51 –255	182	❍	❍	❍	❍		
			D: Thick paper print (Yellow)	51 –255	138	❍	❍	❍	❍		
	31	OPC drum phase adjustment (New)	A: Print mode	1 –3		❍	❍	❍	❍		EEPROM (PCU PWB)
			B: Cyan OPC drum phase	0 –359	45	❍	❍	❍	❍		
			C: Magenta OPC drum phase	0 –359	135	❍	❍	❍	❍		
			D: Yellow OPC drum phase	0 –359	180	❍	❍	❍	❍		
			E: Paper (Paper tray)	1 –6		❍	❍	❍	❍		
46	01	Copy density adjustment (Color mode) (AR-C150)	A: Text/Photo mode	1 –99	50		❍				EEPROM (ICU PWB)
			B: Text mode	1 –99	50		❍				
			C: Printed photo mode	1 –99	50		❍				
			D: Photo mode	1 –99	50		❍				
			E: Map mode	1 –99	50		❍				
		Copy density adjustment (Color mode) (AR-C160/C250)	A: Text printed photo mode	1 –99	50			❍	❍		
			B: Text photo mode	1 –99	50			❍	❍		
			C: Text mode	1 –99	50			❍	❍		
			D: Printed photo mode	1 –99	50			❍	❍		
			E: Photo mode	1 –99	50			❍	❍		
			F: Map mode	1 –99	50			❍	❍		
			G: Text printed photo mode (Copy document mode)	1 –99	46			❍	❍		
			H: Text mode (Copy document mode)	1 –99	46			❍	❍		
			I: Printed photo mode (Copy document mode)	1 –99	46			❍	❍		
	02	Copy density adjustment (Black/white mode) (AR-C150)	A: Text/Photo, Auto pre-scan mode	1 –99	50		❍				EEPROM (ICU PWB)
			B: Text/Photo, Auto mode	1 –99	50		❍				
			C: Text/Photo,Manual mode	1 –99	50		❍				
			D: Text, Auto pre-scan mode	1 –99	50		❍				
			E: Text, Auto mode	1 –99	50		❍				
			F: Text, Manual mode	1 –99	50		❍				
			G: Printed photo mode	1 –99	50		❍				
			H: Photo mode	1 –99	50		❍				
			I: Map mode	1 –99	50		❍				
		Copy density adjustment (Black/white mode) (AR-C160/C250)	A: Text printed photo, Auto pre-scan mode	1 –99	50			❍	❍		
			B: Text printed photo, Auto mode	1 –99	50			❍	❍		
			C: Text printed photo, Manual mode	1 –99	50			❍	❍		
			D: Text photo, Auto pre-scan mode	1 –99	50			❍	❍		
			E: Text photo, Auto mode	1 –99	50			❍	❍		
			F: Text photo, Manual mode	1 –99	50			❍	❍		
			G: Text, Auto pre-scan mode	1 –99	50			❍	❍		
			H: Text, Auto mode	1 –99	50			❍	❍		
			I: Text, Manual mode	1 –99	50			❍	❍		
			J: Printed photo mode	1 –99	50			❍	❍		
			K: Photo mode	1 –99	50			❍	❍		
			L: Map mode	1 –99	50			❍	❍		
			M: Text printed photo, Manual mode (Copy document mode)	1 –99	50			❍	❍		
			N: Text, Manual mode (Copy document mode)	1 –99	50			❍	❍		
			O: Printed photo mode (Copy document mode)	1 –99	50			❍	❍		

Simulation Code		Content/Item		Set range	Default	Model				NOTE	Data store location
Main	Sub.					AR-C100	AR-C150	AR-C250	AR-C160		
46	06	Shading correction reference value setup	A: CCD odd number offset (Blue)	0 –255	150	❍	❍	❍	❍		EEPROM (ICU PWB)
			B: CCD Even number offset (Blue)	0 –255	150	❍	❍	❍	❍		
			C: CCD odd number gain (Blue)	0 –255	120	❍	❍				
					150			❍	❍		
			D: CCD even number gain (Blue)	0 –255	120	❍	❍				
					150			❍	❍		
			A: CCD odd number offset (Green)	0 –255	150	❍	❍	❍	❍		
			B: CCD even number offset (Green)	0 –255	150	❍	❍	❍	❍		
			C: CCD odd number gain (Green)	0 –255	140	❍	❍				
					130			❍	❍		
			D: CCD even number gain (Green)	0 –255	140	❍	❍				
					130			❍	❍		
			A: CCD odd number offset (Red)	0 –255	150	❍	❍	❍	❍		
			B: CCD Even number offset (Red)	0 –255	150	❍	❍	❍	❍		
			C: .CCD odd number gain (Red)	0 –255	180	❍	❍				
					160			❍	❍		
			D: CCD odd number gain (Red)	0 –255	180	❍	❍				
					160			❍	❍		
	10	Copy color balance, density adjustment (Color, Text photo mode) (AR-C100/C150)	A – O: Black density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍				EEPROM (ICU PWB)
			A – O: Cyan density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍				
			A – O: Magenta density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍				
			A – O: Yellow density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍				
		Copy color balance, density adjustment (Color, copy document mode) (AR-C250/C160)	A – O: Copy document mode black density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
			A – O: Copy document mode cyan density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
			A – O: Copy document mode magenta density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
			A – O: Copy document mode yellow density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
	11	Copy color balance, density adjustment (Color, Text mode)	A – O: Black density 1 –15	245 –755 (1 –999) ∗1	500		❍	❍	❍		EEPROM (ICU PWB)
			A – O: Cyan density 1 –15	245 –755 (1 –999) ∗1	500		❍	❍	❍		
			A – O: Magenta density 1 –15	245 –755 (1 –999) ∗1	500		❍	❍	❍		
			A – O: Yellow density 1 –15	245 –755 (1 –999) ∗1	500		❍	❍	❍		
	12	Copy color balance, density adjustment (Color, Printed Photo mode) (AR-C150)	A – O: Black density 1 –15	245 –755 (1 –999) ∗1	500		❍				EEPROM (ICU PWB)
			A – O: Cyan density 1 –15	245 –755 (1 –999) ∗1	500		❍				
			A – O: Magenta density 1 –15	245 –755 (1 –999) ∗1	500		❍				
			A – O: Yellow density 1 –15	245 –755 (1 –999) ∗1	500		❍				
		Copy color balance, density adjustment (Color, Text printed photo/Printed photo mode) (AR-C250/C160)	A – O: Text printed photo/Printed photo black density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
			A – O: Text printed photo/Printed photo cyan density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
			A – O: Text printed photo/Printed photo magenta density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
			A – O: Text printed photo/Printed photo yellow density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		

∗1: AR-C160

Simulation Code		Content/Item		Set range	Default	Model				NOTE	Data store location
Main	Sub.					AR-C100	AR-C150	AR-C250	AR-C160		
46	13	Copy color balance, density adjustment (Color, Photo mode) (AR-C100/C150)	A – O: Black density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍				EEPROM (ICU PWB)
			A – O: Cyan density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍				
			A – O: Magenta density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍				
			A – O: Yellow density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍				
		Copy color balance, density adjustment (Color, Text photo/Photo mode) (AR-C250/C160)	A – O: Text photo/Photo black density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
			A – O: Text photo/Photo cyan density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
			A – O: Text photo/Photo magenta density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
			A – O: Text photo/Photo yellow density 1 –15	245 –755 (1 –999) ∗1	500			❍	❍		
	14	Copy color balance, density adjustment (Color, Map mode)	A – O: Black density 1 –15	245 –755 (1 –999) ∗1	500		❍	❍	❍		EEPROM (ICU PWB)
			A – O: Cyan density 1 –15	245 –755 (1 –999) ∗1	500		❍	❍	❍		
			A – O: Magenta density 1 –15	245 –755 (1 –999) ∗1	500		❍	❍	❍		
			A – O: Yellow density 1 –15	245 –755 (1 –999) ∗1	500		❍	❍	❍		
	15	Copy density adjustment (Monochrome, Text/Photo mode) (AR-C150)	A – O: Black B/W density 1 – 15	245 –755 (1 –999) ∗1	500	❍	❍				EEPROM (ICU PWB)
		Copy density adjustment (Monochrome, Copy document mode mode) (AR-C250/C160)	A – O: Black B/W density 1 – 15	245 –755 (1 –999) ∗1	500			❍	❍		
	16	Copy density adjustment (Monochrome, Text mode)	A – O: Black B/W density 1 – 15	245 –755 (1 –999) ∗1	500		❍	❍	❍		EEPROM (ICU PWB)
	17	Copy density adjustment (Monochrome, Printed Photo mode) (AR-C150)	A – O: Black B/W density 1 – 15	245 –755 (1 –999) ∗1	500		❍				EEPROM (ICU PWB)
		Copy density adjustment (Color, Text printed photo, Printed Photo mode) (AR-C250/C160)	A – O: Black B/W density 1 – 15	245 –755 (1 –999) ∗1	500			❍	❍		
	18	Copy density adjustment (Monochrome, Photo mode) (AR-C100/C150)	A – O: Black B/W density 1 – 15	245 –755 (1 –999) ∗1	500	❍	❍				EEPROM (ICU PWB)
		Copy density adjustment (Monochrome, Text photo/Photo mode) (AR-C250/C160)	A – O: Black B/W density 1 – 15	245 –755 (1 –999) ∗1	500			❍	❍		
	19	Copy density adjustment (Monochrome, Map mode)	A – O: Black B/W density 1 – 15	245 –755 (1 –999) ∗1	500		❍	❍	❍		EEPROM (ICU PWB)
	20	Print (printer engine) copy color balance/density (gamma) adjustment (manual adjustment)	A – O: Black density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍	❍	❍	Without print	EEPROM (ICU PWB)
			A – O: Cyan density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍	❍	❍		
			A – O: Magenta density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍	❍	❍		
			A – O: Yellow density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍	❍	❍		
	21	Print (printer engine) copy color balance/density (gamma) adjustment (manual adjustment)	A – O: Black density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍	❍	❍	With print	EEPROM (ICU PWB)
			A – O: Cyan density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍	❍	❍		
			A – O: Magenta density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍	❍	❍		
			A – O: Yellow density 1 –15	245 –755 (1 –999) ∗1	500	❍	❍	❍	❍		
	22	Print (printer engine) copy color balance/density (gamma) adjustment (auto adjustment) (AR-C100)	A: Print quantity	0 –99	1	❍				The setup data is not stored. (AR-C100)	EEPROM (ICU PWB)
			B: Print mode	1 –4	1	❍					
			C: Paper (Paper tray)	1 –6	2	❍					
			Color balance (gamma) adjustment data			❍				The adjustment value cannot be entered directly. (AR-C100)	EEPROM (ICU PWB)
	23	Half tone high density correction setup		ON/OFF	OFF		❍	❍	❍		EEPROM (ICU PWB)

∗1: AR-C160

Simulation Code		Content/Item		Set range	Default	Model				NOTE	Data store location
Main	Sub.					AR-C100	AR-C150	AR-C250	AR-C160		
46	24	Print (printer engine) copy color balance/density (gamma) adjustment (auto adjustment) (AR-C150/C250)					❍	❍	❍	The adjustment value cannot be entered directly.	EEPROM (ICU PWB)
	25	Copy color blance adjustment (Mono color copy mode)	C (RED)	0 –255	0			❍	❍		EEPROM (ICU PWB)
			C (GREEN)	0 –255	255			❍	❍		
			C (BLUE)	0 –255	255			❍	❍		
			C (PURPLE)	0 –255	148			❍	❍		
			C (ORANGE)	0 –255	38			❍	❍		
			C (BROWN)	0 –255	131			❍	❍		
			M (RED)	0 –255	255			❍	❍		
			M (GREEN)	0 –255	0			❍	❍		
			M (BLUE)	0 –255	255			❍	❍		
			M (PURPLE)	0 –255	238			❍	❍		
			M (ORANGE)	0 –255	140			❍	❍		
			M (BROWN)	0 –255	255			❍	❍		
			Y (RED)	0 –255	255			❍	❍		
			Y (GREEN)	0 –255	255			❍	❍		
			Y (BLUE)	0 –255	0			❍	❍		
			Y (PURPLE)	0 –255	105			❍	❍		
			Y (ORANGE)	0 –255	255			❍	❍		
			Y (BROWN)	0 –255	229			❍	❍		
	26	Copy color blance default setup (Mono color copy mode)	C (RED)	0 –255	0			❍	❍		EEPROM (ICU PWB)
			C (GREEN)	0 –255	255			❍	❍		
			C (BLUE)	0 –255	255			❍	❍		
			C (PURPLE)	0 –255	148			❍	❍		
			C (ORANGE)	0 –255	38			❍	❍		
			C (BROWN)	0 –255	131			❍	❍		
			M (RED)	0 –255	255			❍	❍		
			M (GREEN)	0 –255	0			❍	❍		
			M (BLUE)	0 –255	255			❍	❍		
			M (PURPLE)	0 –255	238			❍	❍		
			M (ORANGE)	0 –255	140			❍	❍		
			M (BROWN)	0 –255	255			❍	❍		
			Y (RED)	0 –255	255			❍	❍		
			Y (GREEN)	0 –255	255			❍	❍		
			Y (BLUE)	0 –255	0			❍	❍		
			Y (PURPLE)	0 –255	105			❍	❍		
			Y (ORANGE)	0 –255	255			❍	❍		
			Y (BROWN)	0 –255	229			❍	❍		
	27	Black toner component image gamma adjustment	A: Color mode	0 –100	50 (70)			❍	❍	( ) AR-C160	EEPROM (ICU PWB)
			B: Monochrome mode ∗1	0 –100	50				❍		
48	01	Copy magnification ratio adjustment	A: Sub scanning direction copy magnification ratio adjustment	1 –30	15	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: Main scanning direction copy magnification ratio adjustment	1 –99	50	❍	❍	❍	❍		
	06	Motor RPM adjustment	A: Resist motor speed	1 –99	55	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: Transfer belt speed	1 –99	51	❍	❍	❍	❍		
			C: Fusing rotation speed (greater than B4)	1 –99	40/45/ 50/55	❍	❍	❍	❍	The set value (default) differs depending on the destination.	
			D: Fusing rotation speed (smaller than B4)	1 –99	40/55 50/60	❍	❍	❍	❍		
			E: Drum motor speed (Black/White)	1 –99	42	❍	❍	❍	❍		
			F: Drum motor speed (Color)	1 –99	37	❍	❍	❍	❍		
			G: Paper feed transfer motor speed	1 –99	50				❍		
			H: Developing motor (Black/White)	1 –99	50				❍		
			I: Developing motor (Color)	1 –99	50				❍		

∗1: AR-C160

Simulation Code		Content/Item		Set range	Default	Model				NOTE	Data store location
Main	Sub.					AR-C100	AR-C150	AR-C250	AR-C160		
50	01	Copy lead edge adjustment	A: RRC-A (Distance between MHP and the image lead edge)	0 –99	50	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: RRC-B (Resist roller ON timing)	0 –99	50	❍	❍	❍	❍		
			C: DEN-A (Lead edge void quantity)	0 –99	40	❍	❍	❍	❍		
			D: DEN-B (Rear edge void quantity)	0 –99	30	❍	❍	❍	❍		
			E: IMAGE LOSS (Lead edge image loss quantity)	0 –99	40	❍	❍	❍	❍		
	02	Lead edge adjustment (Simple method)	A: L1	0 –99	0	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: L2	0 –99	0	❍	❍	❍	❍		
			C: DEN-A (Lead edge void quantity)	0 –99	40	❍	❍	❍	❍		
			D: DEN-B (Rear edge void quantity)	0 –99	30	❍	❍	❍	❍		
			E: IMAGE LOSS (Lead edge image loss)	0 –99	40	❍	❍	❍	❍		
50	10	Paper image off-center adjustment	A: Manual paper feed tray	30 –70	50		❍	❍	❍		EEPROM (ICU PWB)
			B: Paper feed tray 1	20 –80	50	❍	❍	❍	❍		
			C: Paper feed tray 2	20 –80	50	❍	❍	❍	❍		
			D: Paper feed tray 3	20 –80	50	❍	❍	❍	❍		
			E: Paper feed tray 4	20 –80	50	❍	❍	❍	❍		
			F: Large capacity tray (LCC)	30 –70	50		❍	❍	❍		
			G: Duplex (ADU)	20 –80	30		❍	❍	❍		
			H: (Black) image main scanning direction print magnification ratio	1 –199	100	❍	❍	❍	❍		
	12	Original off-center adjustment	A: Original table mode	20 –80	50	❍	❍	❍	❍		EEPROM (ICU PWB)
			B: RADF mode	20 –80	50	❍	❍	❍	❍		
	20	Color image registration adjustment (Main scanning direction)	A: Tandem adjustment value (Cyan)	1 –199	100	❍	❍	❍	❍		EEPROM (ICU PWB)
			B: Main scanning direction print magnification ratio adjustment value (Cyan)	1 –199	100	❍	❍	❍	❍		
			C: Tandem adjustment value (Magenta)	1 –199	100	❍	❍	❍	❍		
			D: Main scanning direction print magnification ratio adjustment value (Magenta)	1 –199	100	❍	❍	❍	❍		
			E: Tandem adjustment value (Yellow)	1 –199	100	❍	❍	❍	❍		
			F: Main scanning direction print magnification ratio adjustment value (Yellow)	1 –199	100	❍	❍	❍	❍		
	21	Color image registration adjustment Sub scanning direction)	A: Black → Cyan	1 –199	100	❍	❍	❍	❍		EEPROM (ICU PWB)
			B: .Cyan → Magenta	1 –199	100	❍	❍	❍	❍		
			C: Magenta –Yellow	1 –199	100	❍	❍	❍	❍		
			D: Print quantity	1 –999	1	❍	❍	❍	❍	The setup data is not stored.	
			E: Paper (Paper tray)	1 –6	3	❍	❍	❍	❍		
	22	Image registration adjustment (Auto)				❍	❍	❍	❍	The adjustment value cannot be entered directly	EEPROM (ICU PWB)
51	01	Separation pawl ON timing adjustment	A: Separation pawl operation timing	30 –550	290	❍	❍	❍	❍		EEPROM (PCU PWB)
			B: Transfer voltage ON timing	1 –990	360	❍	❍	❍	❍		
			C: Transfer voltage OFF timing	1 –990	510	❍	❍	❍	❍		
	02	Paper resist quantity adjustment	A: Manual paper feed tray	0 –99	60 (40)	❍	❍	❍	❍	( ) AR-C160	EEPROM (PCU PWB)
			B: Paper feed tray	0 –99	60	❍	❍	❍	❍		
			C: Large capacity paper feed tray (LCC)	0 –99	70	❍	❍	❍	❍		
			D: Duplex (ADU)	0 –99	70		❍	❍	❍		

Simulation Code		Content/Item		Set range	Default	Model				NOTE	Data store location
Main	Sub.					AR-C100	AR-C150	AR-C250	AR-C160		
52	01	Duplex paper stacking adjustment	A: Manual paper feed tray (Adjustment value)	0 –99	50		❍	❍	❍		EEPROM (PCU PWB)
			B: Paper feed tray 1 (Adjustment value)	0 –99	50		❍	❍	❍		
			C: Paper feed tray 2 (Adjustment value)	0 –99	50		❍	❍	❍		
			D: Paper feed tray 3 (Adjustment value)	0 –99	50		❍	❍	❍		
			E: Large capacity tray (LCC) (adjustment value)	0 –99	50		❍	❍	❍		
			F: Paper (Paper tray)	1 –5	3		❍	❍	❍	The setup data is not stored.	
53	01	Original stop position adjustment (RADF)	A: Face mode	0 –15	8		❍	❍	❍		EEPROM (RADF CONTROL PWB)
			B: Back mode	0 –15	8		❍	❍	❍		
	02	Sensor adjustment (RADF)					❍	❍	❍	The adjustment value cannot be entered directly	EEPROM (RADF CONTROL PWB)
63	03	Scanner (CCD) gamma adjustment (correction) (Normal document mode)				❍	❍	❍	❍	The adjustment value cannot be entered directly.	EEPROM (ICU PWB)
	05	Scanner (CCD) gamma default setup (Normal document mode)				❍	❍	❍	❍	The adjustment value cannot be entered directly.	EEPROM (ICU PWB)
	07	Service target color balance (gamma) setup for auto color balance adjustment (SIM 46-24)					❍	❍	❍	The setup data cannot be entered directly	EEPROM (ICU PWB)
	08	Service target color balance (gamma) is set to default (standard) color balance (gamma) for auto color balance adjustment (SIM 46-24)				❍	❍	❍	❍	The setup data cannot be entered directly	EEPROM (ICU PWB)
	09	Scanner (CCD) gamma adjustment (Correction) (Copy document mode)						❍	❍	The adjustment value cannot be entered directly	EEPROM (ICU PWB)
	10	Scanner (CCD) gamma default setup (Copy document mode)						❍	❍	The correction data cannot be entered directly	EEPROM (ICU PWB)
65	01	Touch panel adjustment	1. Coordinate X on the left upper of the screen		258	❍	❍	❍	❍	The adjustment value cannot be entered directly.	EEPROM (PCU PWB)
			2. Coordinate Y on the left upper of the screen		245	❍	❍	❍	❍		
			3. Coordinate X on the right upper of the screen		831	❍	❍	❍	❍		
			4. Coordinate Y on the right upper of the screen		247	❍	❍	❍	❍		
			5. Coordinate X on the left lower of the screen		257	❍	❍	❍	❍		
			6. Coordinate Y on the left lower of the screen		834	❍	❍	❍	❍		
			7. Coordinate X on the right lower of the screen		831	❍	❍	❍	❍		
			8. Coordinate Y on the right lower of the screen		828	❍	❍	❍	❍		

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SHARP PARTS GUIDE

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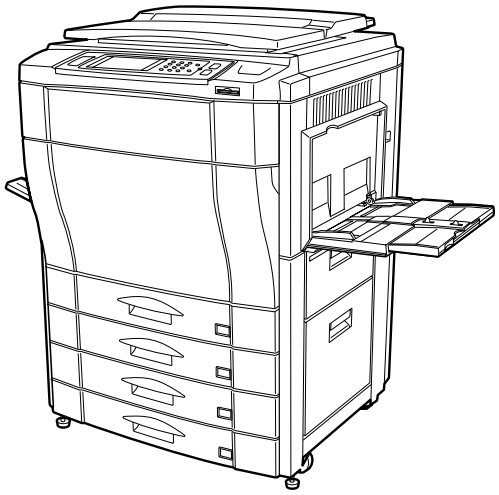

DIGTAL FULL COLOR COPIER
デジタルフルカラー複写機

MODEL AR-C160
AR-C270 (Except Japan)
AR-C280 (Japan Only)

このパーツガイドに掲載されている表示価格ランクは消費税抜きです。

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本書はサービス活動用に作成した資料です。
一部内容が製品の改良・改善等により予告なしに変わることがあります。

SHARPCORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

1. 本パーツガイドと以前発行されたパーツガイドの活用方法
下記のパーツガイドを使用する。

モデル名	資料コード
AR-C100/C150/C250	００ＺＡＲＣ２５０／Ｐ２／
AR-C160/C270/C280	００ＺＡＲＣ２５０／Ｐ２／
	００ＺＡＲＣ２７０／Ｐ１／

本パーツガイドではAR-C100/C150/C250のパーツガイドと共通のブロックは記載していない。　記載していないブロックはAR-C100/C150/C250(資料コード:00ZARC250/P2)を参照の事。詳細の内容は下表に示す。

2. 本パーツガイドとAR-C100/C150/C250の活用方法は下表の通りである。AR-C160/C270/C280においては〇印の資料を参照する事。

1. Relationship between this P/G and the previous P/G and utilizing note Use the Parte Guides shown below:

Model name	Document code
AR-C100/C150/C250	００ＺＡＲＣ２５０／Ｐ２／
AR-C160/C270/C280	００ＺＡＲＣ２５０／Ｐ２／
	００ＺＡＲＣ２７０／Ｐ１／

This Parts Guide does not describe the common blocks with the AR-C100/C150/C250. For those blocks. refer to the AR-C100/C150/C250 Parts Guide(00ZARC250/P2/). The details are shown below.

2. The table below shows how to utilize this Parts Guide and the AR-C100/C150/C250 Parts Guide.For the AR-C160/C270/C280, refer to the documents marked with "〇."

Block No.	Description	AR-C270 / C280 / C160	AR-C100 / C150 / C250
		00ZARC270/P1	00ZARC250/P2/
1	外装(Exteriors)	〇	
2	原稿ｻｲｽﾞ検知ｾﾝｻｰﾕﾆｯﾄ(Document sizu sensor unit)		〇
3	ｵﾘｼﾞﾅﾙｶﾊﾞｰ(Original cover)		〇
4	操作部(Operation panel unit)	〇	
5	光学ﾕﾆｯﾄ 1(Optical unit 1)	〇	
6	光学ﾕﾆｯﾄ 2(Optical unit 2)	〇	
7	ﾋﾟｰﾗﾝﾌﾟﾕﾆｯﾄ(Copy lamp unit)	〇	
8	第2,3ﾐﾗｰﾕﾆｯﾄ(2nd,3rd Mirror holder unit)		〇
9	転写ﾍﾞﾙﾄ外ﾕﾆｯﾄ 1(Transfer belt out side unit 1)		〇
10	転写ﾍﾞﾙﾄ外ﾕﾆｯﾄ 2(Transfer belt out side unit 2)	〇	
11	転写ﾍﾞﾙﾄ中ﾕﾆｯﾄ(Transfer belt middle unit)		〇
12	転写ﾍﾞﾙﾄ内ﾕﾆｯﾄ(Transfer belt inner unit)	〇	
13	ﾒｲﾝﾌﾚｰﾑ部(Main frame section)	〇	
14	後ﾌﾚｰﾑ 1(Rear frame 1)	〇	
15	後ﾌﾚｰﾑ 2(Rear frame 2)	〇	
16	ﾄﾞﾗﾑﾕﾆｯﾄ(Drum unit)	〇	
17	ﾎｯﾊﾟｰﾕﾆｯﾄ 1(Hopper unit 1)	〇	
18	ﾎｯﾊﾟｰﾕﾆｯﾄ 2(Hopper unit 2)	〇	
19	定着ﾕﾆｯﾄ 1(Fusing unit 1)	〇	
20	定着ﾕﾆｯﾄ 2(Fusing unit 2)	〇	
21	廃ﾄﾅｰ搬送ﾕﾆｯﾄetc.(Waste toner transport unit etc.)	〇	
22	ﾄﾞﾗﾑ駆動ﾕﾆｯﾄ(Drum drive unit)	〇	
23	給紙駆動ﾕﾆｯﾄ		〇
24	給紙連結駆動ﾕﾆｯﾄ(PF Joint drive unit)	〇	
25	ﾌﾟﾛｾｽﾕﾆｯﾄ(Process unit)		〇
26	右ﾄﾞｱ上ﾕﾆｯﾄ(Right door upper unit)		〇
27	右ﾄﾞｱ下ﾕﾆｯﾄ(Right door lower unit)		〇
28	縦搬送上ﾕﾆｯﾄ(Vertical transport upper unit)		〇
29	縦搬送下ﾕﾆｯﾄ(Vertical transport lower unit)		〇
30	排紙下ﾕﾆｯﾄ(Delivery Paper Lower unit)	〇	
31	現像ﾕﾆｯﾄ(DV unit)		〇
32	ﾏﾙﾁ給紙ﾕﾆｯﾄ(Multi manual paper feeding unit)	〇	
33	ﾏﾙﾁﾄﾚｲﾕﾆｯﾄ(Multi tray unit)	〇	
34	ﾄﾚｲﾕﾆｯﾄ(Tray unit)		〇
35	ﾄﾚｲ給紙ﾕﾆｯﾄ(Tray paper feeding unit)	〇	
36	転写ﾎﾙﾀﾞｰﾕﾆｯﾄ		〇
37	廃ﾄﾅｰﾀﾝｸﾕﾆｯﾄ.etc(Waste toner tank unit.etc)	〇	
38	MC ﾕﾆｯﾄ(MC unit)	〇	
39	ICU基板取付組品(ICU PWB fixing Ass'y)	〇	
40	梱包&付属品(Packing Material & Accessories)	〇	
43	PCUﾒｲﾝ基板(PCU Main PWB)	〇	
44	PCUｻﾌﾞ基板(PCU Sub PWB unit)	〇	
45	OPｺﾝﾄﾛｰﾙ基板		〇
47	ICUﾒｲﾝ基板(ICU main PWB unit)	〇	
48	ICU IMG基板(ICU IMG PWB unit)		〇
49	ICU SCN基板(ICU SCN PWB)	〇	
50	CCD PS基板(CCD PS PWB unit)		〇
51	IFD基板(IFD PWB unit)		〇
52	HRNｲﾝﾊﾞｰﾀ基板(HRN inverter PWB unit)		〇
53	PFD基板(PFD PWB unit)		〇
54	OP基板 右(OP PWB R unit)	〇	
55	OP基板 左(OP PWB L unit)	〇	
56	ﾌﾟﾛｾｽ駆動基板(Process drive PWB unit)		〇
57	ﾄﾞﾗﾑﾓｰﾀ基板(Drum motor PWB unit)		〇
58	ｽｷｬﾅｰﾓｰﾀｰ基板(Scanner motor PWB unit)		〇
60	ACﾒｲﾝ基板(AC main PWB unit)		〇
64	ｺﾈｸﾀｰ基板(Connector PWB)	〇	
65	ｴﾅｼﾞｰｽﾀｰﾘﾚｰ基板(Enagy Star Relay PWB)	〇	
66	電源基板100V系(Power supply PWB 100Vseries)	〇	
67	電源基板200V系(Power supply PWB 200Vseries)	〇	

補修部品のランク付

市場における補修部品の在庫管理が、適正に運営出来る手助けとなることを、目的とします。

Aランク ：取替頻度が比較的多く、在庫を必要とするパーツ。
Bランク ：取替頻度は比較的少ないが、在庫を必要とするパーツ。
Cランク ：取替頻度はほとんどないと思われるパーツ。
Dランク ：取替頻度はほとんどないが新品再生に必要なパーツ。
Eランク ：ユニットパーツ。サービス効率アップの為、在庫する事を推奨するパーツ。
Sランク ：消耗品
但し、複写機のパーツについては、同一パーツ名であっても、下記パーツは、使用箇所の相違により、A・B ランク分けします。
パーツ名 ：金属製のギャー、スプロケット、ベアリング、ゴム製のベルト、スプリングクラッチ機構
Aランク ：常に回転しているか、付加がかかっている箇所に使用され、回転回数かが増える事により、変形又は摩耗が生じその性能が発揮できなくなるパーツ。
Bランク ：回転部分に使用されているが、摩耗度が比較的少ないパーツ。

DEFINITION

The definition of each Rank is as follows and also noted in the list

A: Parts necessary to be stocked as High usage parts.
B: Parts necessary to be stocked as Standard usage parts.
C: Low usage parts.
D: Parts necessary for refurbish.
E: Unit parts recommended to be stocked for efficient after sales service.
Please note that the lead time for the said parts may be longer than normal parts.
S: Consumable parts.

Please note that the following parts used in Copier under the same description are classified into A or B Rank depending upon the place used.

Example: Gear made of Metal, Sprocket, Bearing, Belt made of Rubber, Spring clutch mechanism.
ARank : The parts which may be with the revolution or loading.
BRank : Parts similar to A Rank parts, but are not included in Rank A.

安全性・信頼性確保のため部品は、必ず正規のものをご使用下さい。
⚠ 印の商品は、安全上重要な部品です。交換をする時は、安全及び性能維持のため必ず指定の部品をご使用下さい。

Because parts marked with "⚠" is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specific to the product specification.

○ **当モデルのサービス資料には、この資料以外にサービスマニュアル（回路図含む）があります。合わせてご利用下さい。**
○ Other than this Parts Guide, please refer to documents Service Manual(including Circuit Diagram)of this model.
○ Please use the 13 digit code described in the right hand corner of front cover of the document, when you place an order.
○ For U.S. only-Use order codes provided in advertising literature. Do not order from parts department.

・部品変更に関する互換性はパーツリストの互換性の欄にNo. １～６を記入しています。この互換性の内容は次の通りです。

［互換性］

1：新・旧の互換性有
2：新の代りに旧は使用可、旧の代りに新は使用不可
3：新の代りに旧は使用不可、旧の代りに新は使用可
4：新・旧の互換性無
5：旧（a,b,c・・・）どうし一対又は新（a,b,c・・・）どうし一対で、互換性有
6：その他

・For compatibility of parts, No.1-6 is specified in column of "COMPATIBLE" in the Parts List, The contents of No.1-6 are as follows:

[Interchange]

1: Interchangeable.
2: Current type can be used in place of new type.
New type cannot be used in place of current type.
3: Current type cannot be used in place of new type.
New type can be used in place of current type.
4: Not interchangeable.
5: Interchangeable if replaced with same types of related parts in use.
6: Others.

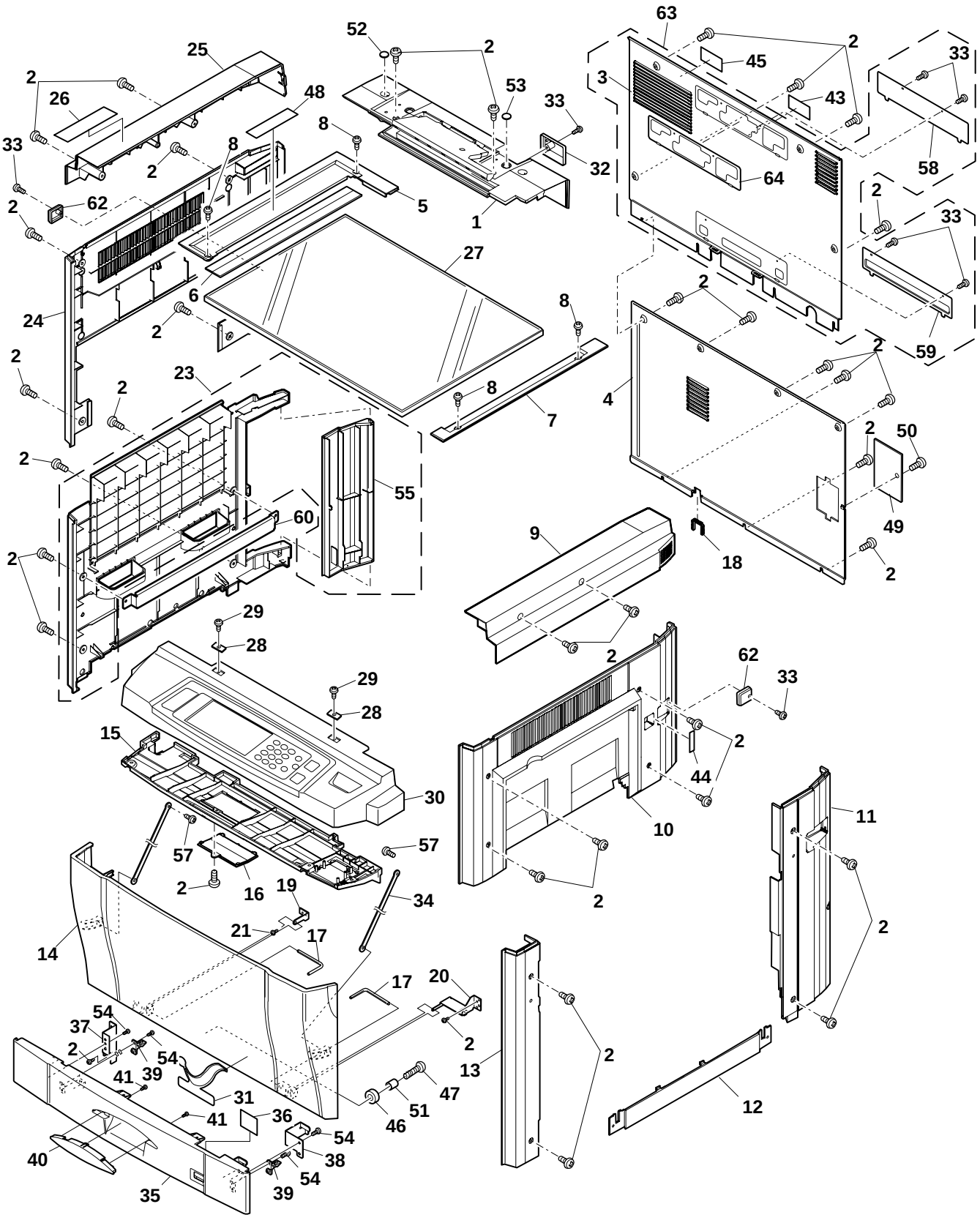
1 外装 (Exteriors)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	CCAB-0921FC31		BF	GN		E	Upper exteriors rear unit(Japan,Taiwan) ｳｴｷｬﾋﾞﾈｯﾄ ｳｼﾛﾕﾆｯﾄ
	CCAB-0921FC32		BF	GN		E	Upper exteriors rear unit(Other countries) ｳｴｷｬﾋﾞﾈｯﾄ ｳｼﾛﾕﾆｯﾄ
2	XHBSE40P08000		AA	DD		C	Screw(4×8) ﾋﾞｽ
3	GCAB-0977FCZZ		AY	FQ		C	Rear exteriors upper ｳｼﾛｷｬﾋﾞﾈｯﾄｳｴ
4	GCAB-0919FCZ2		AX	FG		C	Rear exteriors ｳｼﾛｷｬﾋﾞﾈｯﾄ
5	CFiX-0517FC05		AN	EQ		C	Table glass fixing plate left(Japan) ｶﾞﾗｽｵｻｴｲﾀﾋﾀﾞﾘ
	CFiX-0517FC06		AN	EG		C	Table glass fixing plate left(Inch series) ｶﾞﾗｽｵｻｴｲﾀﾋﾀﾞﾘ
	CFiX-0517FC07		AN	EQ		C	Table glass fixing plate left(AB series) ｶﾞﾗｽｵｻｴｲﾀﾋﾀﾞﾘ
6	CGLSP0094FC01	1	AV	FG		B	Shading glass(up to 2001:11 ARC160) ｼｪｰﾃﾞｨﾝｸﾞｶﾞﾗｽ
	CGLSP0094FC02	1	AS	EZ		B	Shading glass(from 2001:12 ARC160) [ARC160/270/280] ｼｪｰﾃﾞｨﾝｸﾞｶﾞﾗｽ
7	LFiX-0516FCZZ		AL	EB		C	Table glass fixing plate right ｶﾞﾗｽｵｻｴﾐｷﾞ
8	XBTSE40P04000		AA	DD		C	Screw(4×4) ﾋﾞｽ
9	GCAB-0917FCZZ		AU	EZ		C	Upper exteriors right ｳｴｷｬﾋﾞﾈｯﾄﾐｷﾞ
10	GCAB-0923FCZ2		BA	FX		C	Right exteriors upper(Japan) ﾐｷﾞｷｬﾋﾞﾈｯﾄｳｴ
	GCAB-0923FCZ1		BA	FX		C	Right exteriors upper(except Japan) ﾐｷﾞｷｬﾋﾞﾈｯﾄｳｴ
11	GCAB-0913FCZZ		AV	FG		C	Right exteriors lower R ﾐｷﾞｷｬﾋﾞﾈｯﾄｳｼﾛ
12	GCAB-0914FCZZ		AM	EG		C	Right exteriors lower ﾐｷﾞｷｬﾋﾞﾈｯﾄｼﾀ
13	GCAB-0912FCZZ		AS	EQ		C	Right exteriors lower F ﾐｷﾞｷｬﾋﾞﾈｯﾄｼﾀﾏｴ
14	CCAB-0910FC31		BC	GJ		E	Front exteriors lower unit ﾏｴｷｬﾋﾞｼﾀﾕﾆｯﾄ
15	CCOVP1471FC31		AZ	FQ		C	Frame cover unit ﾌﾚｰﾑｶﾊﾞｰﾕﾆｯﾄ
16	PCOVP1473FCZZ		AH	DX		C	ROM cover ﾛﾑｶﾊﾞｰ
17	LPiN-0277FCZZ		AB	DJ		C	Slide pin ｽﾗｲﾄﾞﾋﾟﾝ
18	LHLDW1152FCZZ		AC	DJ		C	Bush ﾌﾞｯｼｭ
19	MHNG-0204FCZ1		AD	DJ		C	Front cabinet hinge L ﾏｴｷｬﾋﾞﾋﾝｼﾞ L
20	MHNG-0205FCZZ		AH	DX		C	Front cabinet hinge R ﾏｴｷｬﾋﾞﾋﾝｼﾞ R
21	LX-BZ0892FCZZ		AB	DD		C	Screw(4×10) ﾋﾞｽ
23	CCAB-0916FC32		BD	GN		E	Left exteriors lower unit ﾋﾀﾞﾘｷｬﾋﾞﾈｯﾄｼﾀﾕﾆｯﾄ
24	GCAB-0915FCZ1		BA	FX		C	Left exteriors upper ﾋﾀﾞﾘｷｬﾋﾞﾈｯﾄｳｴ
25	GCAB-0918FCZZ		AU	EZ		C	Upper exteriors left ｳｴｷｬﾋﾞﾈｯﾄﾋﾀﾞﾘ
26	TLABH4394FCZZ		AF	DS		C	Caution label(Japan) ｺﾋﾟｰｷﾝｼ ﾁｭｳｲﾗﾍﾞﾙ
	TLABH4397FCZZ		AC	DJ		C	Caution label(Canada) ｺﾋﾟｰｷﾝｼ ﾁｭｳｲﾗﾍﾞﾙ
27	PGLSP0074FCZZ		BA	GJ		C	Table glass ﾃｰﾌﾞﾙｶﾞﾗｽ
28	LPLTM2573FCZ1		AD	DJ		C	MG Plate MG ﾌﾟﾚｰﾄ
29	XBSSE30P10000		AA	DD		C	Screw(3×10) ﾋﾞｽ
30	CPNLC0240FC68		CL	UW		E	Operation panel unit(Japan) [ARC160] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC69		CN	UZ		E	Operation panel unit(Other countries) [ARC160] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC70		CM	UW		E	Operation panel unit(Germany,Europe,Canada) [ARC160] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC71		CN	UZ		E	Operation panel unit(Spanish) [ARC160] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC72		CK	ZZ	N	E	Operation panel unit(Japan) [ARC280] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC73		CK	ZZ	N	E	Operation panel unit(Other countries) [ARC270] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC74		CK	UR	N	E	Operation panel unit(Germany,Europe,Canada) [ARC270] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC75		CK	UR	N	E	Operation panel unit(Spanish) [ARC270] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
31	TLABZ4387FCZZ		AL	EB		C	Color mark label ｶﾗｰﾏｰｸﾗﾍﾞﾙ
32	PFTA-0134FCZZ		AF	DS		C	Connector cover A ｺﾈｸﾀｰﾌﾀ A
33	XHBSE30P06000		AA	DD		C	Screw(3×6) ﾋﾞｽ
34	LBNDZ0074FCZZ		AE	DJ		C	Front cabinet band R ﾏｴｷｬﾋﾞﾊﾞﾝﾄﾞ R
35	JHNDP0149FCZZ		AW	FG		C	Tray handle 550 ｶｾｯﾄﾄｯﾃ
36	LPLTK5619FCZZ		AE	DJ		C	Tray size display plate(Japan) ｻｲｽﾞﾋｮｳｼﾞﾌﾟﾚｰﾄ J
	LPLTK5620FCZZ		AE	DJ		C	Tray size display plate(AB series) ｻｲｽﾞﾋｮｳｼﾞﾌﾟﾚｰﾄ AB
	LPLTK5621FCZZ		AE	DJ		C	Tray size display plate(Inch series) ｻｲｽﾞﾋｮｳｼﾞﾌﾟﾚｰﾄ ｲﾝﾁ
37	LPLTM5642FCZZ		AF	DS		C	Tray cover fixing plate L ｶｾｯﾄｶﾊﾞｰﾄﾘﾂｹｲﾀ L
38	LPLTM5643FCZZ		AE	DS		C	Tray cover fixing plate R ｶｾｯﾄｶﾊﾞｰﾄﾘﾂｹｲﾀ R
39	PTME-0275FCZZ		AD	DJ		C	Tray lock pawl ｶｾｯﾄﾂﾒ
40	PCOVP1451FCZZ		AH	DX		C	Tray handle cover ｶｯｾｯﾄﾄｯﾃｶﾊﾞｰ
41	XEBSD30P12000		AA	DD		C	Screw(3×12) ﾋﾞｽ
43	TLABS4306FCZZ		AC	DJ		C	Noise label(U.S.A,Canada) ﾉｲｽﾞﾗﾍﾞﾙ
44	TLABZ4197FCZZ		AD	DJ		C	Heater sw label(Japan) ﾎｵﾝﾋｰﾀｰ SW ﾗﾍﾞﾙ
45	TCAUH1028FCZZ		AC	DJ		D	Service caution label(U.S.A,Canada) ｻｰﾋﾞｽﾁｭｳｲﾗﾍﾞﾙ
	TCAUA0770FCZZ		AB	DD		D	Service caution label(Other countries) ｻｰﾋﾞｽﾁｭｳｲﾗﾍﾞﾙ
	TCAUH0918FCZZ		AA	DD		D	Service caution label(Australia,NewZealand) ｻｰﾋﾞｽﾁｭｳｲﾗﾍﾞﾙ
	TCAUA0766FCZZ		AB	DD		D	Service caution label(U.Kingdom) ｻｰﾋﾞｽﾁｭｳｲﾗﾍﾞﾙ
46	LSTPG0351FCZZ		AF	DS		C	Front cabinet stopper ﾏｴｷｬﾋﾞｽﾄｯﾊﾟｰ
47	XEBSD30P14000		AA	DD		C	Screw(3×14) ﾋﾞｽ
48	TCAUH1040FCZZ		AC	DJ		D	Copy lamp caution label(U.S.A,Canada) ｺﾋﾟｰﾗﾝﾌﾟﾁｭｳｲﾗﾍﾞﾙ
49	PCOVP1266FCGZ		AH	DX		C	Rear cabinet cover ｳｼﾛｷｬﾋﾞｶﾊﾞｰ
50	XHBSE30P08000		AA	DD		C	Screw(3×8) ﾋﾞｽ
51	PSPAF1422FCZZ		AA	DJ		C	Spacer ｽﾍﾟｰｻ-
52	PCOVP0941FCZ1		AC	DJ		C	Top cabinet rear cover L(U.S.A,Canada,Germany,Europe, U.Kingdom,Australia,New Zealand) ｳｴｷｬﾋﾞ ｳｼﾛｶﾊﾞｰ L
53	PCOVP0911FCZ1		AC	DJ		C	Top cabinet rear cover R(U.S.A,Canada,Germany,Europe, U.Kingdom,Australia,New Zealand) ｳｴｷｬﾋﾞ ｳｼﾛｶﾊﾞｰ R
54	XEBSD40P08000		AA	DD		C	Screw(4×8) ﾋﾞｽ
55	PCOVP1472FCZZ		AR	EQ		C	Waste toner cover ﾊｲﾄﾅｰｶﾊﾞｰ
57	LX-BZ0896FCZZ		AC	DD		C	Screw ﾋﾞｽ
58	GCAB-0978FCZZ		AL	EB		C	Rear cabinet cover upper 後ｷｬﾋﾞｶﾊﾞｰ上
59	GCAB-0979FCZZ		AL	EB		C	Rear cabinet cover Lower 後ｷｬﾋﾞｶﾊﾞｰ下
60	LSTYM0246FCZ1		AM	EG		C	Handle stay ﾄｯﾃ用ｽﾃｰ
62	PFTA-0135FCZZ		AE	DJ		C	Connector cover B ｺﾈｸﾀｰﾌﾀ B
63	CCAB-0978FC31		BA	FX		E	Rear exteriors upper unit ｳｼﾛｷｬﾋﾞﾈｯﾄｳｴﾕﾆｯﾄ

1 外装 (Exteriors)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
64	PSHEP5005FCZZ	6	AF	DS		C	Edge protect sheet(from 2001:8 ARC160) [ARC160/270/280] ｴｯｼﾞ保護ﾏｲﾗｰ

1 外装 (Exteriors)



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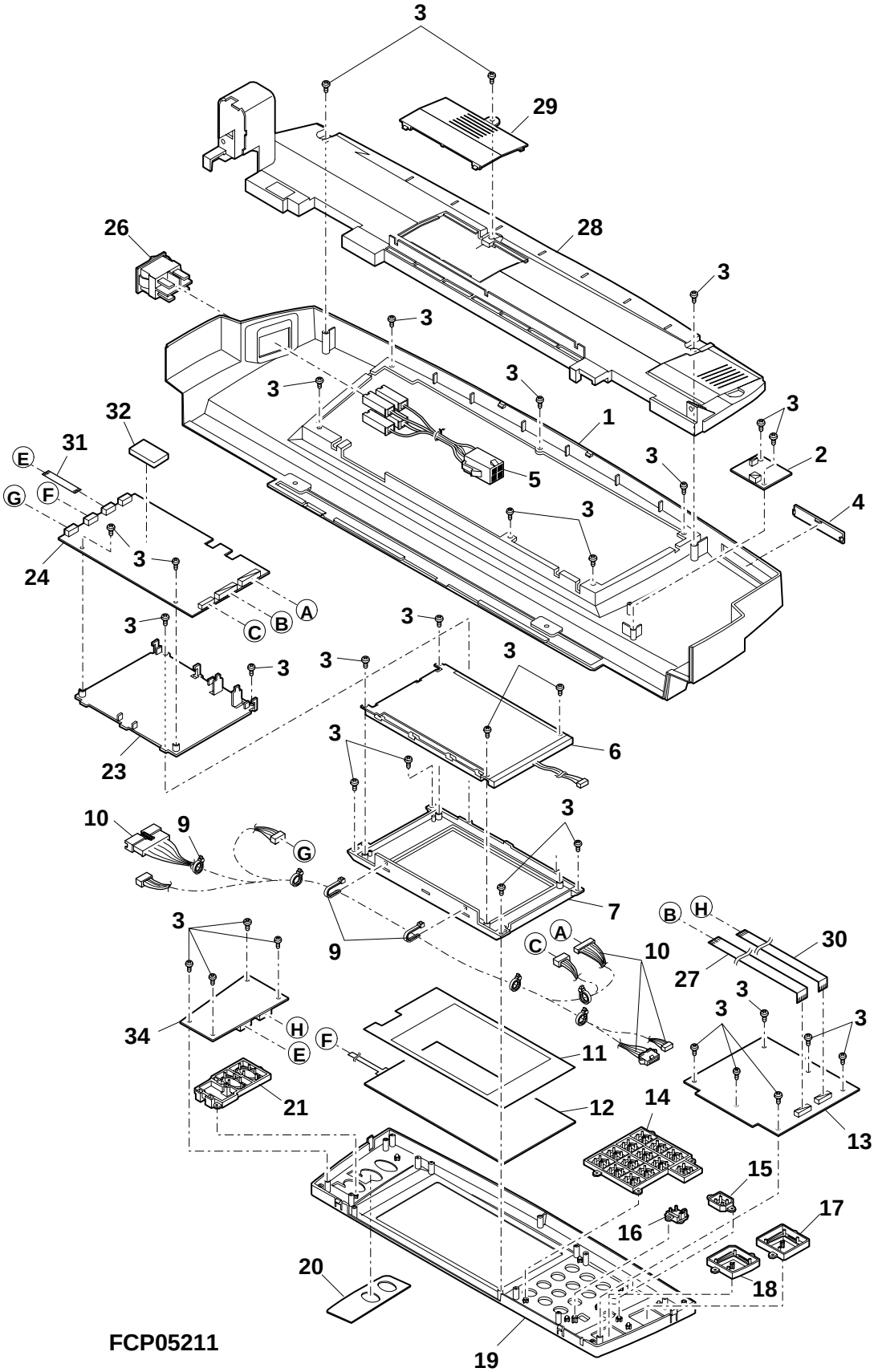
4 操作部 (Operation panel unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	HPNLC0239FCZ1		AY	FQ		C	Operation panel A ｿｳｻﾊﾟﾈﾙ A
2	CPWBF1107FC52		AX	FG		E	Inverter PWB unit ｲﾝﾊﾞｰﾀｰｷﾊﾞﾝﾕﾆｯﾄ
3	XEPSD30P08000		AA	DD		C	Screw(3×8) ﾋﾞｽ
4	PCOVP1474FCZZ		AF	DS		C	Card counter cover A ｶｰﾄﾞｶｳﾝﾀｰｶﾊﾞｰ A
5	DHAi-3034FCZZ		AN	EQ		C	MSW harness(Japan) MSW ﾊｰﾈｽ
	DHAi-3127FCZZ		AN	EG		C	MSW harness(Other countries) MSW ﾊｰﾈｽ
6	VVLLM400031-1		BY	ZZ		B	LCD(LM400031) LCD
7	LHLDZ1359FCZZ		AL	EB		C	LCD holder A LCD ﾎﾙﾀﾞｰ A
9	LBNDJ0013FCZ1		AA	DJ		C	Wire band ﾜｲﾔｰﾊﾞﾝﾄﾞ
10	DHAi-3035FC13	1	AW	FG		C	Operation main harness[ARC160](up to 2001:8) ｿｳｻﾒｲﾝﾊｰﾈｽ
	DHAi-3035FC14	1	AX	FG	N	C	Operation main harness(Japan)(from 2001:9 ARC160) [ARC160/280] ｿｳｻﾒｲﾝﾊｰﾈｽ
	DHAi-3371FC11	1	AX	FG	N	C	Operation main harness(except Japan)(from 2001:9 ARC160) [ARC160/270] ｿｳｻﾒｲﾝﾊｰﾈｽ
11	PSHEP4922FCZZ		AQ	EQ		C	LCD sheet(Japan) LCD ﾏｲﾗｰ
	PSHEP4923FCZZ		AQ	EQ		C	LCD sheet(English area) LCD ﾏｲﾗｰ
	PSHEP4924FCZZ		AQ	EQ		C	LCD sheet(Canada,Germany,Europe,etc.) LCD ﾏｲﾗｰ
12	HPNLH0238FCZ1		BF	GN		C	Touch panel ﾀｯﾁﾊﾟﾈﾙ
13	CPWBF1507FC81		BC	GJ		E	OP PWB R unit OP PWB R ﾕﾆｯﾄ
14	CBTN-0239FC03		AN	EG		C	Ten key ﾃﾝｷｰ
15	CBTN-0247FC01		AF	DS		C	CA key CA ｷｰ
16	CBTN-0242FC01		AL	EB		C	Interrupt key ﾜﾘｺﾐｷｰ
17	CBTN-0245FC01		AL	EB		C	Copy key ｺﾋﾟｰｷｰ
18	CBTN-0246FC01		AN	EG		C	Color select key ｶﾗｰｾﾝﾀｸｷｰ
19	CPNLC0240FC05		AT	EZ		C	Operation panel(Japan) ｿｳｻﾊﾟﾈﾙ
	CPNLC0240FC06		AS	EZ		C	Operation panel(English area) ｿｳｻﾊﾟﾈﾙ
	CPNLC0240FC07		AR	EQ		C	Operation panel(Germany,Europe,Canada,etc.) ｿｳｻﾊﾟﾈﾙ
20	HiNDP0777FCGZ		AH	DX		C	Key sheet(Japan) ｷｰｼｰﾄ
	HiNDP0777FCG1		AH	DX		C	Key sheet(English area) ｷｰｼｰﾄ
	HiNDP0777FCG2		AH	DX		C	Key sheet(French) ｷｰｼｰﾄ
	HiNDP0777FCG3		AH	DX		C	Key sheet(Germany) ｷｰｼｰﾄ
	HiNDP0777FCG4		AH	DX		C	Key sheet(Spanish) ｷｰｼｰﾄ
21	CBTN-0243FC03		AP	EQ		C	Exchange key assy(Japan) ｷﾘｶｴｷｰ Assy
	JBTN-0243FCGZ		AK	EB		C	Exchange key(U.S.A,Canada,Geramny,Europe, U.Kingdom,Australia,New Zealand) ｷﾘｶｴｷｰ
23	LHLDZ1360FCZZ		AH	DX		C	LCD holder B LCD ﾎﾙﾀﾞｰ B
24	CPWBN1343FC52		BU	NN		E	Operation control PWB unit OP ｺﾝﾄﾛｰﾙ PWB ﾕﾆｯﾄ
26	QSW-C9295QCZZ		AL	EB		B	Switch ｽｲｯﾁ
27	DHAi-3045FCZZ		AF	DS		C	OP R harness OP R ﾊｰﾈｽ
28	CCOVP1471FC31		AZ	FQ		C	Frame cover unit ﾌﾚｰﾑｶﾊﾞｰﾕﾆｯﾄ
29	PCOVP1473FCZZ		AH	DX		C	ROM cover ﾛﾑｶﾊﾞｰ
30	DHAi-3046FCZZ		AG	DX		C	OP LR harness OP LR ﾊｰﾈｽ
31	DHAi-3044FCZZ		AF	DS		C	OP L harness OP L ﾊｰﾈｽ
32	VHi28F161A48F		BG	GT		B	Ope flash PWB(28F161A48F) [ARC160] ｵﾍﾟﾌﾗｯｼｭ PWB
	VHi28F161A51F		BD	GN	N	B	Ope flash PWB(28F161A51F) [ARC270/280] ｵﾍﾟﾌﾗｯｼｭ PWB
34	CPWBF1508FC81		BD	GJ		E	OP PWB L unit OP PWB L ﾕﾆｯﾄ
	(Unit)						
901	CPNLC0240FC68		CL	UW		E	Operation panel unit(Japan) [ARC160] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC69		CN	UZ		E	Operation panel unit(Other countries) [ARC160] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC70		CM	UW		E	Operation panel unit(Germany,Europe,Canada) [ARC160] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC71		CN	UZ		E	Operation panel unit(Spanish) [ARC160] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC72		CK	ZZ	N	E	Operation panel unit(Japan) [ARC280] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC73		CK	ZZ	N	E	Operation panel unit(Other countries) [ARC270] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC74		CK	UR	N	E	Operation panel unit(Germany,Europe,Canada) [ARC270] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ
	CPNLC0240FC75		CK	UR	N	E	Operation panel unit(Spanish) [ARC270] ｿｳｻﾊﾟﾈﾙ ﾕﾆｯﾄ

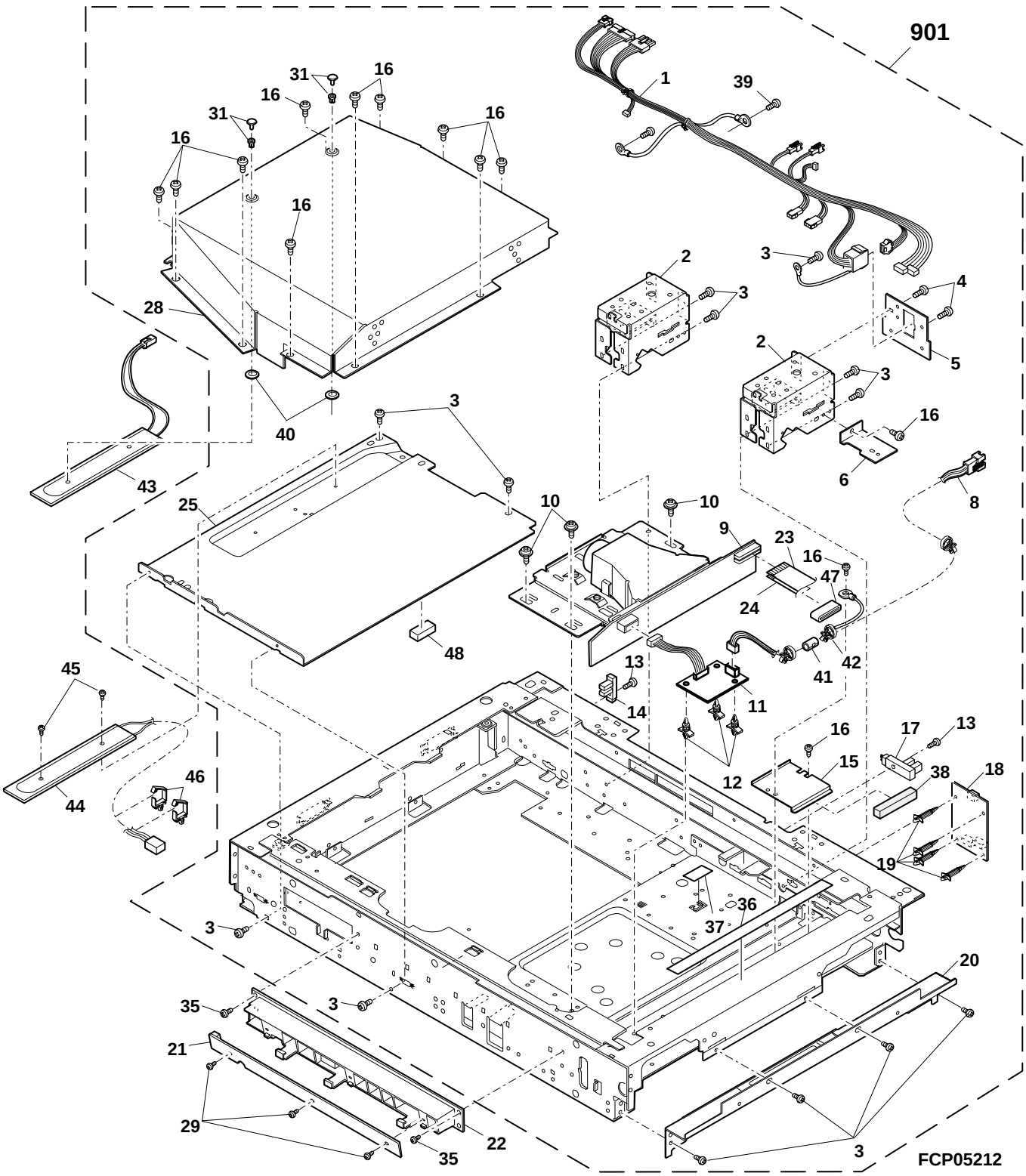
4 操作部 (Operation panel unit)



5 光学ﾕﾆｯﾄ 1(Optical unit 1)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	DHAi-3326FC11		AX	FG		C	Optical harness	ｺｳｶﾞｸﾊｰﾈｽ
2	LPLTM5430FCZZ		AP	EQ		C	OC fixing plate	OC ﾄﾘﾂｹｲﾀ
3	XHBSD40P08000		AA	DD		C	Screw(4×8)	ﾋﾞｽ
4	XHBSD30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
5	LPLTM5488FCZZ		AE	DJ		C	Connector fixing plate A	ｺﾈｸﾀｰﾄﾘﾂｹｲﾀ A
6	LPLTM5939FCZZ		AE	DJ		C	Rear cabinet fixing plate	ｳｼﾛｷｬﾋﾞﾄﾘﾂｹｲﾀ
8	DHAi-3053FC12		AH	DX		C	CCD PS harness	CCD ﾃﾞﾝｹﾞﾝﾊｰﾈｽ
9	CDAiU0595FC34		CM	UZ		E	CCD unit	CCD ﾕﾆｯﾄ
10	LX-BZ0335FCZZ		AA	DD		C	Screw(4×6)(Red)	ﾋﾞｽ
11	CPWBF1389FC32		AT	EZ		E	CCD PS PWB unit	CCD ﾃﾞﾝｹﾞﾝ ﾕﾆｯﾄ
12	LSUPP0115FCZZ		AB	DJ		C	Supporter	ｻﾎﾟｰﾀｰ
13	XBBSD40P10000		AA	DD		C	Screw(4×10)	ﾋﾞｽ
14	VHPGP3A38//-1		AH	DX		B	Photo transistor(GP3A38)	ﾌｫﾄﾄﾗﾝｼﾞｽﾀｰ
15	LFiX-0566FCZZ		AE	DS		C	CCD harness fixing plate	CCD ﾊｰﾈｽｵｻｴｲﾀ
16	XBBSD40P06000		AA	DD		C	Screw(4×6)	ﾋﾞｽ
17	VHPGP1A22LC-1		AK	EB		B	Photo sensor(GP1A22LC)	ﾌｫﾄｾﾝｻｰ
18	CPWBF1332FC31		BB	GD		E	Scanner motor PWB unit	ｽｷｬﾅｰﾓｰﾀｰ PWB ﾕﾆｯﾄ
19	LSUPP0117FCZZ		AC	DJ		C	Supporter	ｻﾎﾟｰﾀｰ
20	LPLTM5550FCZZ		AM	EG		C	Optical frame support plate	ｺｳｶﾞｸﾌﾚｰﾑﾎｷｮｳｲﾀ
21	CPWBF1294FC33		AX	FG		E	ORS PD PWB unit(Japan,Taiwan)	ORS PD PWB ﾕﾆｯﾄ
	CPWBF1294FC34		AY	FQ		E	ORS PD PWB unit(Other contries)	ORS PD PWB ﾕﾆｯﾄ
22	LHLDZ1381FCZZ		AL	EB		C	ORS PWB holder	ｼﾞﾕｺｳｷﾊﾞﾝﾎﾙﾀﾞｰ
23	DHAi-3331FCZZ		AF	DS		C	CCD/ICU 2 harness	CCD/ICU 2 ﾊｰﾈｽ
24	DHAi-3330FCZZ		AG	DS		C	CCD/ICU 1 harness	CCD/ICU 1 ﾊｰﾈｽ
25	LPLTM5547FCZZ		AN	EQ		C	Optical unit Lower.Left plate	ｺｳｶﾞｸﾕﾆｯﾄｿｺﾋﾀﾞﾘｲﾀ
28	PCOVP1484FCZZ		AQ	EQ		C	Dark box cover A	ｱﾝﾊﾞｺｶﾊﾞｰ A
29	XEBSD40P06000		AA	DD		C	Screw(4×6)	ﾋﾞｽ
31	LX-LZ0024FCZZ		AC	DD		C	Push Livet	ﾌﾟｯｼｭﾘﾍﾞｯﾄ
35	XHBSE40P06000		AA	DD		C	Screw(4×6)	ﾋﾞｽ
36	TLABH4380FCZZ		AD	DJ		C	Electric caution label	ｶﾝﾃﾞﾝﾁｭｳｲﾗﾍﾞﾙ
37	PSHEP4760FCZZ		AC	DJ		C	Scanner protect film	ｽｷｬﾅ ﾎｺﾞﾌｨﾙﾑ
38	PGSK-0034FCZZ		AG	DS		C	Gasket A	ｶﾞｽｹｯﾄ A
39	XBPSD40P08K00		AA	DD		C	Screw(4×8K)	ﾋﾞｽ
40	XWHSD30-05070		AA	DD		C	Washer	ﾜｯｼｬ
41	RCORF0035FCZZ		AM	EG		C	Core	ｺｱ
42	LBNDJ0013FCZ1		AA	DJ		C	Wire band	ﾜｲﾔｰﾊﾞﾝﾄﾞ
43	RHETP0074FCZZ		AP	EQ		B	Dry heater B(Japan)	ｺｳｶﾞｸｼﾞｮｼﾂﾋｰﾀ B
44	RHETP0073FCZZ		AQ	EQ		B	Dry heater A(Japan)	ｺｳｶﾞｸｼﾞｮｼﾂﾋｰﾀ A
45	XHBSE30P06000		AA	DD		C	Screw(3×6)(Japan)	ﾋﾞｽ
46	LHLDW1426FCZZ		AC	DJ		C	Cable holder(YMW-1)(Japan)	ﾐﾆｸﾗﾝﾌﾟ
47	RCORF5010BCZZ		AD	EG		C	Core	ｺｱ
48	PGSK-7003XCZZ		AF	DS		C	Gasket(UC-300287T)(100V series)	ｶﾞｽｹｯﾄ
	(Unit)							
901	DUNT-6992FC14		CU	VZ		E	Optical unit(include [[6]])	ｽｷｬﾅｰﾕﾆｯﾄ

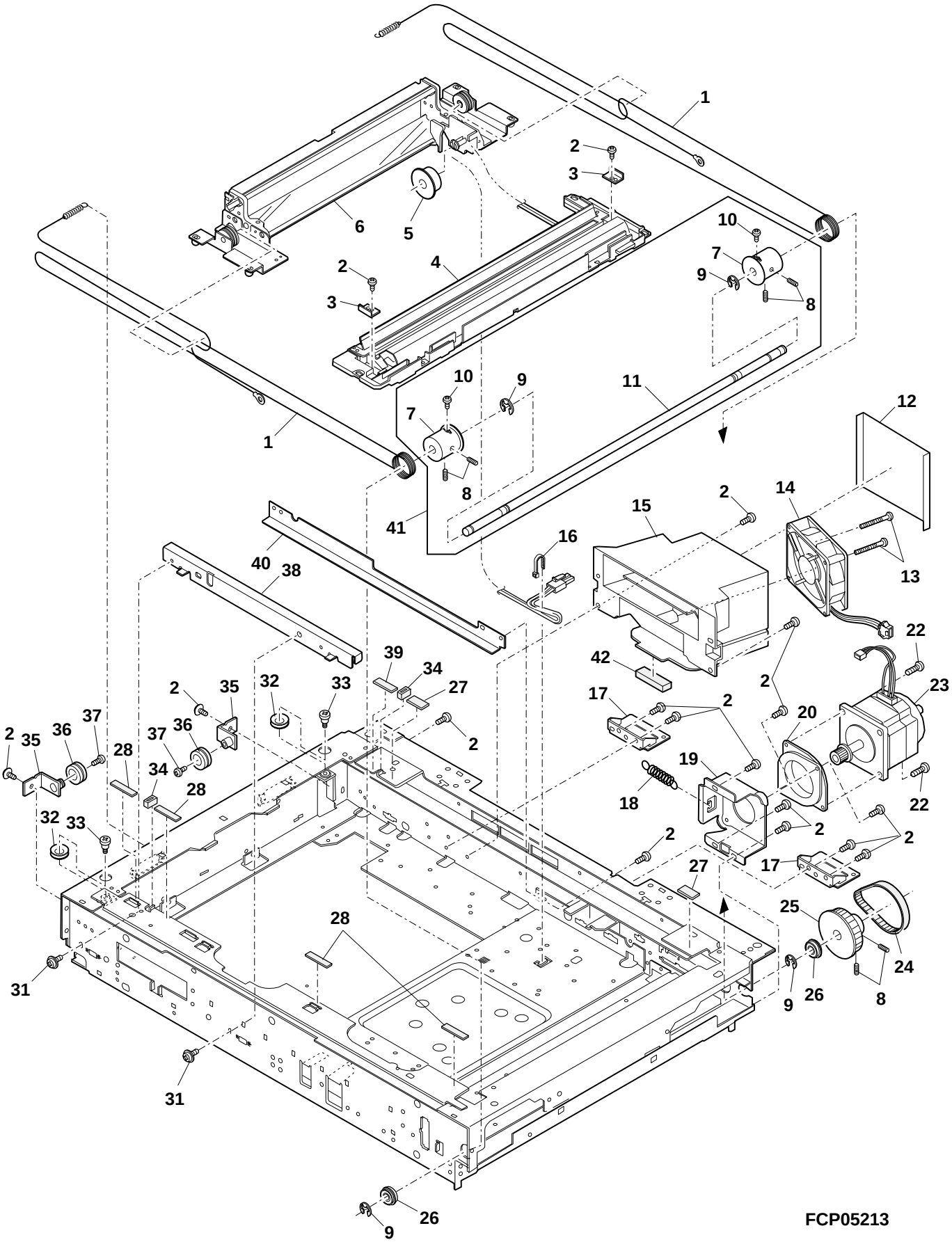
5 光学ユニット 1(Optical unit 1)



6 光学ユニット 2(Optical unit 2)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	PWiR-0190FCZZ		AR	EQ		C	MB wire	MB ﾜｲﾔｰ
2	XBBSD40P10000		AA	DD		C	Screw(4×10)	ﾋﾞｽ
3	LPLTM5434FCZ1		AC	DJ		C	Wire fixing plate	ﾜｲﾔｰｺﾃｲｲﾀ
⚠ 4	CREFL0171FC33		BP	LP		E	Copy lamp unit	ｺﾋﾟｰﾗﾝﾌﾟ ﾕﾆｯﾄ
5	NPLYZ0181FCZZ		AB	DD		C	CL pulley	CL ﾌﾟｰﾘｰ
6	CHLDZ1398FC31		BF	GN		E	2,3Mirror unit	2.3 ﾐﾗｰ ﾕﾆｯﾄ
7	NPLYZ0359FCZZ		AM	EG		C	Winder pulley DN	ﾏｷﾄﾘﾌﾟｰﾘｰ S
8	LX-BZ0049FCZZ		AB	DD		C	Screw(4×6)	ﾋﾞｽ
9	XRESP70-08000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
10	LX-BZ0324FCZZ		AA	DD		C	Screw(3×4)	ﾋﾞｽ
11	NSFTZ2541FCZZ		AN	EG		C	Winder drive shaft	ﾏｷﾄﾘｸﾄﾞｳｼﾞｸ
12	PFiLD0186FCZZ		AF	DS		C	Fan filter	ﾌｧﾝﾌｨﾙﾀ
13	XEPSD40P30000		AA	DD		C	Screw(4×30)	ﾋﾞｽ
14	NFANP0056FCZZ		AX	FG		B	Fan	ﾌｧﾝ
15	PDUC-0061FCZZ		AM	EG		C	CFM duct	CFM ﾀﾞｸﾄ
16	LBNDJ0013FCZ1		AA	DJ		C	Wire band	ﾜｲﾔｰﾊﾞﾝﾄﾞ
17	LPLTM5626FCZZ		AF	DS		C	Optical unit fixing plate R	ｺｳｶﾞｸﾕﾆｯﾄ ﾄﾘﾂｹｲﾀ ｳｴ R
18	MSPRC2737FCZZ		AC	DJ		C	Mirror motor adjust spring	ﾐﾗｰﾓｰﾀｰﾁｮｳｾｲｽﾌﾟﾘﾝｸﾞ
19	LPLTM5606FCZZ		AG	DX		C	Mirror motor fixing plate	ﾐﾗｰﾓｰﾀｰﾄﾘﾂｹｲﾀ
20	PDMP-0004FCZZ		AP	EQ		C	Mirror motor dumper	ﾐﾗｰﾓｰﾀｰﾏｳﾝﾄ
22	XBPSD40P10000		AA	DD		C	Screw(4×10)	ﾋﾞｽ
23	RMOTS0865FCZZ		BM	HV		B	Scanner drive motor	ｽｷｬﾅｰｸﾄﾞｳﾓｰﾀｰ
24	NBLTH0317FCZZ		AH	DX		B	MB drive belt	MB ｸﾄﾞｳﾍﾞﾙﾄ
25	NPLYZ0353FCZZ		AU	FG		C	Pulley(98T)	ﾌﾟｰﾘｰ 98T
26	NBRGY0466FCZZ		AK	EB		C	Ball bearing(M8-M16)	ﾎﾞｰﾙﾍﾞｱﾘﾝｸﾞ
27	PGUMS0228FCZZ		AA	DD		C	Table glass rubber	ﾃｰﾌﾞﾙｶﾞﾗｽｺﾞﾑ
28	PSHEZ4513FCZZ		AB	DJ		C	Glass sheet	ｶﾞﾗｽｼｰﾄ
31	XBPSD40P08KS0		AA	DD		C	Screw(4×8KS)	ﾋﾞｽ
32	NPLYZ0340FCZZ		AC	DJ		C	L pulley N	L ﾌﾟｰﾘｰ N
33	LX-BZ0898FCZZ		AC	DD		C	Screw	ﾋﾞｽ
34	PGUMS0147FCZZ		AA	DD		C	Table glass rubber (small)	ﾃｰﾌﾞﾙｶﾞﾗｽｺﾞﾑ(ｼｮｳ)
35	CPLTM5436FC01		AG	DX		C	Pulley fixing plate	ﾃｲﾌﾟｰﾘｰﾄﾘﾂｹｲﾀ
36	NPLYZ0167FCZZ		AF	DS		C	Pulley	ﾌﾟｰﾘｰ
37	LX-BZ0618FCZZ		AA	DD		C	Screw(4×4)(Black)	ﾋﾞｽ
38	LRALM0156FCZZ		AH	DX		C	MB-B rail F	MB-B ﾚｰﾙ F
39	PGUMS0273FCZZ		AB	DJ		C	Glass rubber	ｼｺﾃﾞﾝｸﾞｶﾞﾗｽｺﾞﾑ
40	LRALM0173FCZZ		AG	DX		C	MB-B rail R	MB-B ﾚｰﾙ R
41	CSFTZ2541FC31		BB	GD		E	Winder drive shaft unit	ﾏｷﾄﾘｸﾄﾞｳｼﾞｸ ﾕﾆｯﾄ
42	PSHEZ4792FCZZ		AC	DJ		C	Duct sheet	ﾀﾞｸﾄｼｰﾄ
	(Unit)							
901	DUNT-6992FC14		CU	VZ		E	Optical unit(include [[5]])	ｽｷｬﾅｰﾕﾆｯﾄ

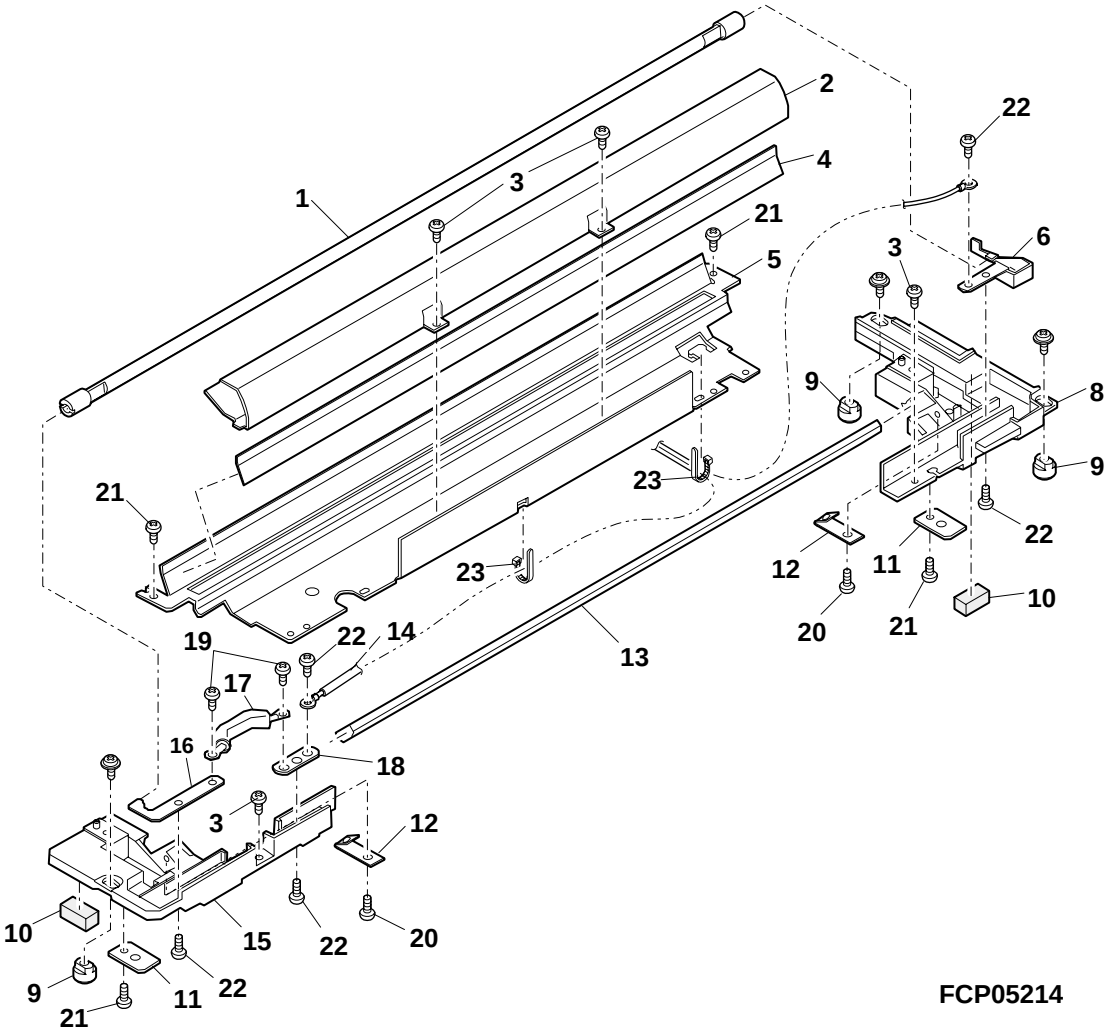
6 光学ユニット 2(Optical unit 2)



7 ｺﾋﾟｰﾗﾝﾌﾟ ﾕﾆｯﾄ (Copy lamp unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
⚠ 1	RLMPU0659FCZZ		BF	GN		B	Copy lamp	ｺﾋﾟｰﾗﾝﾌﾟ
2	PREFL0171FCZZ		AW	FG		C	Reflector	ﾘﾌﾚｸﾀｰ
3	XHBSD30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
4	PREFL0170FCZZ		AL	EB		C	Sub reflector	ｻﾌﾞﾘﾌﾚｸﾀｰ
5	LDAiU0596FCZZ		AS	EQ		C	Base plate	ｷﾀﾞｲ
6	MSPRP2740FCZZ		AK	DX		C	Lamp spring R	ﾗﾝﾌﾟﾊﾞﾈR
8	LPLTP5598FCZZ		AR	EQ		C	Side plate R	ｿｸﾊﾟﾝR
9	MSLi-0057FCZZ		AC	DD		C	Slider(45493-01A)	ｽﾍﾟﾘ ｻﾞｲ
10	PCUSU0203FCZZ		AE	DS		C	Cushion	ﾎﾞｳｼﾝｸｯｼｮﾝ
11	LDAiU0597FCZZ		AF	DS		C	Fixing plate	ｺﾃｲﾀﾞｲ
12	MSPRP2101FCZZ		AC	DJ		C	Mirror spring	ﾐﾗｰﾊﾞﾈ
13	PMiR-0156FCZZ		AS	EQ		B	1st mirror	ﾀﾞｲ1ﾐﾗｰ
14	DHAi-2972FCZZ		AV	FG		C	CL lead harness	CL ﾘｰﾄﾞﾊｰﾈｽ
15	LPLTP5597FCZ2		AS	EZ		C	Side plate F	ｿｸﾊﾟﾝF
16	MSPRP2739FCZZ		AG	DS		C	Lamp spring F	ﾗﾝﾌﾟﾊﾞﾈF
⚠ 17	CFS-T0111FC31		AQ	EQ		A	Temperture fuse	ｵﾝﾄﾞﾋｭｰｽﾞ AS
18	LPLTM4714FCZZ		AE	DS		C	Terminal plate	ﾀﾝｼﾊﾞﾝ
19	XBPBN30P05K00		AB	DD		C	Screw(3×5K)	ﾋﾞｽ
20	XEBSD30P04000		AA	DD		C	Screw(3×4)	ﾋﾞｽ
21	XEBSD30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
22	XBPSD30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
23	LBNDJ0013FCZ1		AA	DJ		C	Wire band	ﾜｲﾔｰﾊﾞﾝﾄﾞ
	(Unit)							
⚠ 901	CREFL0171FC33		BP	LP		E	Copy lamp unit	ｺﾋﾟｰﾗﾝﾌﾟ ﾕﾆｯﾄ

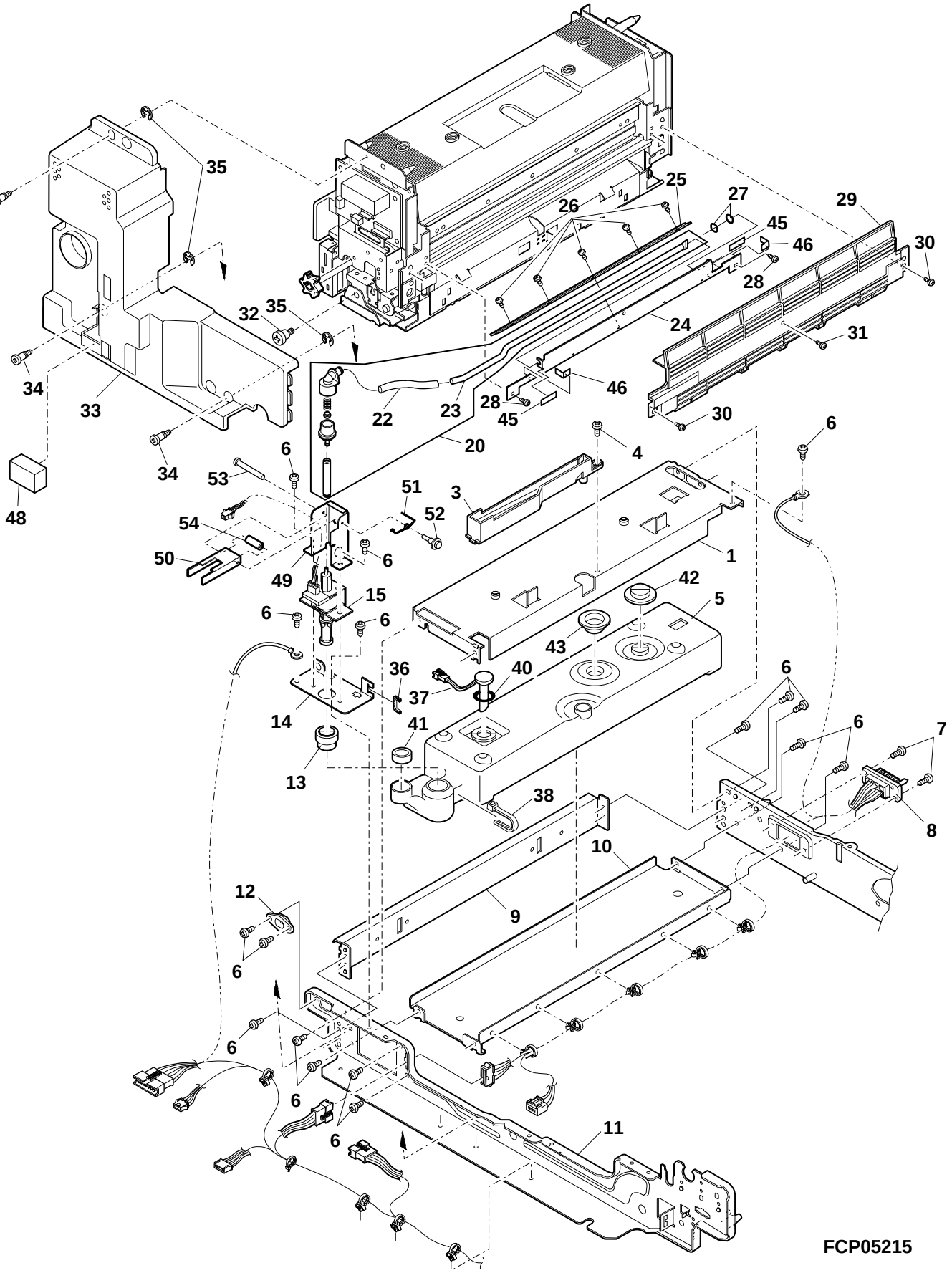
7 ｺﾋﾟｰﾗﾝﾌﾟ ﾕﾆｯﾄ (Copy lamp unit)



⑩ 転写ﾍﾞﾙﾄ外ﾕﾆｯﾄ 2(Transfer belt out side unit 2)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	PGiDH1843FCZZ		AP	EQ		C	Fusing guide plate ﾃｲﾁｬｸｶﾞｲﾄﾞｲﾀ
3	CHLDZ1425FC31		AP	EQ		C	Oil holder unit [ARC160] ｵｲﾙﾖｳﾎﾙﾀﾞｰﾕﾆｯﾄ
4	XHBSD30P06000		AA	DD		C	Screw(3×6) ﾋﾞｽ
5	CYOK-0056FC31		AZ	FQ		E	Oil bottle unit[include No.41~43] ｵｲﾙﾎﾞﾄﾙﾕﾆｯﾄ
6	XHBSE40P08000		AA	DD		C	Screw(4×8) ﾋﾞｽ
7	XHBSE30P10000		AA	DD		C	Screw(3×10) ﾋﾞｽ
8	DHAi-3003FC12		BA	FX		C	AC sub harness 100V AC ｻﾌﾞﾊｰﾈｽ 100V
	DHAi-3004FC12		BB	GD		C	AC sub harness 200V AC ｻﾌﾞﾊｰﾈｽ 200V
9	LPLTM5540FCZZ		AL	EB		C	Plate R ﾊﾝｿｳｱｷｭﾗｲﾄﾘﾂﾂｹｲﾀ R
10	LPLTM5543FCZZ		AL	EB		C	Bottle fixing plate ﾎﾞﾄﾙｺﾃｲｲﾀ
11	CFRM-0988FC01		AU	EZ		C	Transport frame F ﾊﾝｿｳﾌﾚｰﾑ FAS
12	LHLDZ1397FCZZ		AF	DS		C	Holder C ﾎﾙﾀﾞｰ C
13	PPACG0060FCZZ		AE	DJ		C	Pump packing ﾎﾟﾝﾌﾟﾊﾟｯｷﾝ
14	LPLTM5544FCZZ		AE	DS		C	Pump fixing plate ﾎﾟﾝﾌﾟﾄﾘﾂﾂｹｲﾀ
15	PPMPL0001FCZ1		BB	GD		E	Oil pump [ARC160] ｵｲﾙﾎﾟﾝﾌﾟ
	PPMPL0002FCZZ		BB	GD	N	E	Oil pump [ARC270/280] ｵｲﾙﾎﾟﾝﾌﾟ
20	CDAiU0598FC52		AW	FG		E	Pipe joint unit ﾊﾟｲﾌﾟｼﾞｮｲﾝﾄﾕﾆｯﾄ
22	PTUBG0127FCZZ		AD	DJ		C	Oil tube B ｵｲﾙﾁｭｰﾌﾞ B
23	PPiPA0202FCZZ		AS	EZ		C	Application pipe ﾄﾌﾊﾟｲﾌﾟ
24	LPLTM5610FCZ1		AK	DX		C	Felt fixing plate ﾄﾌﾌｴﾙﾄﾄﾘﾂﾂｹｲﾀ
25	CFLT-0059FC02		AP	EQ		C	Application felt ﾄﾌﾌｴﾙﾄ AS
26	XHBSD30P04000		AA	DD		C	Screw(3×4) ﾋﾞｽ
27	PPACG0061FCZZ		AB	DJ		C	Oil packing ｵｲﾙﾊﾟｯｷﾝ
28	XHBS230P06000		AA	DD		C	Screw(3×6) ﾋﾞｽ
29	LHLDZ1401FCZZ		AT	EZ		C	Application pipe holder ﾄﾌﾊﾟｲﾌﾟﾎﾙﾀﾞｰ
30	LX-BZ0780FCZZ		AC	DD		C	PFU fixing Screw PFU ｺﾃｲﾋﾞｽ
31	XHBS240P08000		AB	DD		C	Screw(4×8) ﾋﾞｽ
32	LX-BZ0870FCZZ		AD	DD		C	Screw ﾕﾆｯﾄｺﾃｲﾀﾞﾝﾋﾞｽ A
33	PCOVP1488FCZ2		AT	EZ		C	Fusing front cover ﾃｲﾁｬｸﾏｴｶﾊﾞｰ
34	LX-BZ0878FCZZ		AE	DJ		C	Screw ｶﾊﾞｰｺﾃｲﾋﾞｽ S
35	XRESP50-06000		AA	DD		C	E type ring E ﾘﾝｸﾞ
36	LHLDW0595FCZZ		AC	DD		C	Wire saddle(EDS2) ﾜｲﾔｰｻﾄﾞﾙ
37	RDTCF0144FCZZ		AV	FG		B	Oil bottle sensor ｵｲﾙﾎﾞﾄﾙｾﾝｻｰ
38	LBNDJ0050FCZZ		AA	DD		C	Wire fixing band(SKB-2M) ﾜｲﾔｰｺﾃｲ ﾊﾞﾝﾄﾞ
40	PPACG0063FCZZ		AE	DS		C	Sensor fixing packing ｾﾝｻｰﾄﾘﾂｹﾊﾟｯｷﾝ
41	PCAPH0074FCZZ		AE	DS		C	Oil bottle cap ｵｲﾙﾎﾞﾄﾙｷｬｯﾌﾟ
42	PCAPH0077FCZZ		AE	DS		C	Oil bottle cap C ｵｲﾙﾎﾞﾄﾙｷｬｯﾌﾟ C
43	PCAPH0078FCZZ		AE	DS		C	Oil bottle cap P ｵｲﾙﾎﾞﾄﾙｷｬｯﾌﾟ P
45	PSHEP4777FCZZ		AA	DJ		C	Application sheet A ﾄﾌｻｲﾄﾞｼｰﾄ C
46	PSHEP4778FCZZ		AC	DJ		C	Application sheet B ﾄﾌｻｲﾄﾞｼｰﾄ B
48	PMLT-1236FCZZ		AB	DJ		C	Cushion ﾊﾞｯｸｱｯﾌﾟﾓﾙﾄ
49	LPLTM5696FCZZ		AF	DS		C	Guide plate ｶﾞｲﾄﾞｲﾀ
50	LPLTM5697FCZZ		AE	DJ		C	Tube guide plate ﾁｭｰﾌﾞｶﾞｲﾄﾞｲﾀ
51	MSPRC2817FCZZ		AC	DJ		C	Tube return spring ﾁｭｰﾌﾞﾘﾀｰﾝｽﾌﾟﾘﾝｸﾞ
52	LX-BZ0342FCZZ		AB	DD		C	Screw ﾋﾞｽ
53	XHBSD30P20000		AA	DD		C	Screw(3×20) ﾋﾞｽ
54	PSPAZ1423FCZZ		AD	DJ		C	Pump spacer ﾎﾟﾝﾌﾟｽﾍﾟｰｻｰ

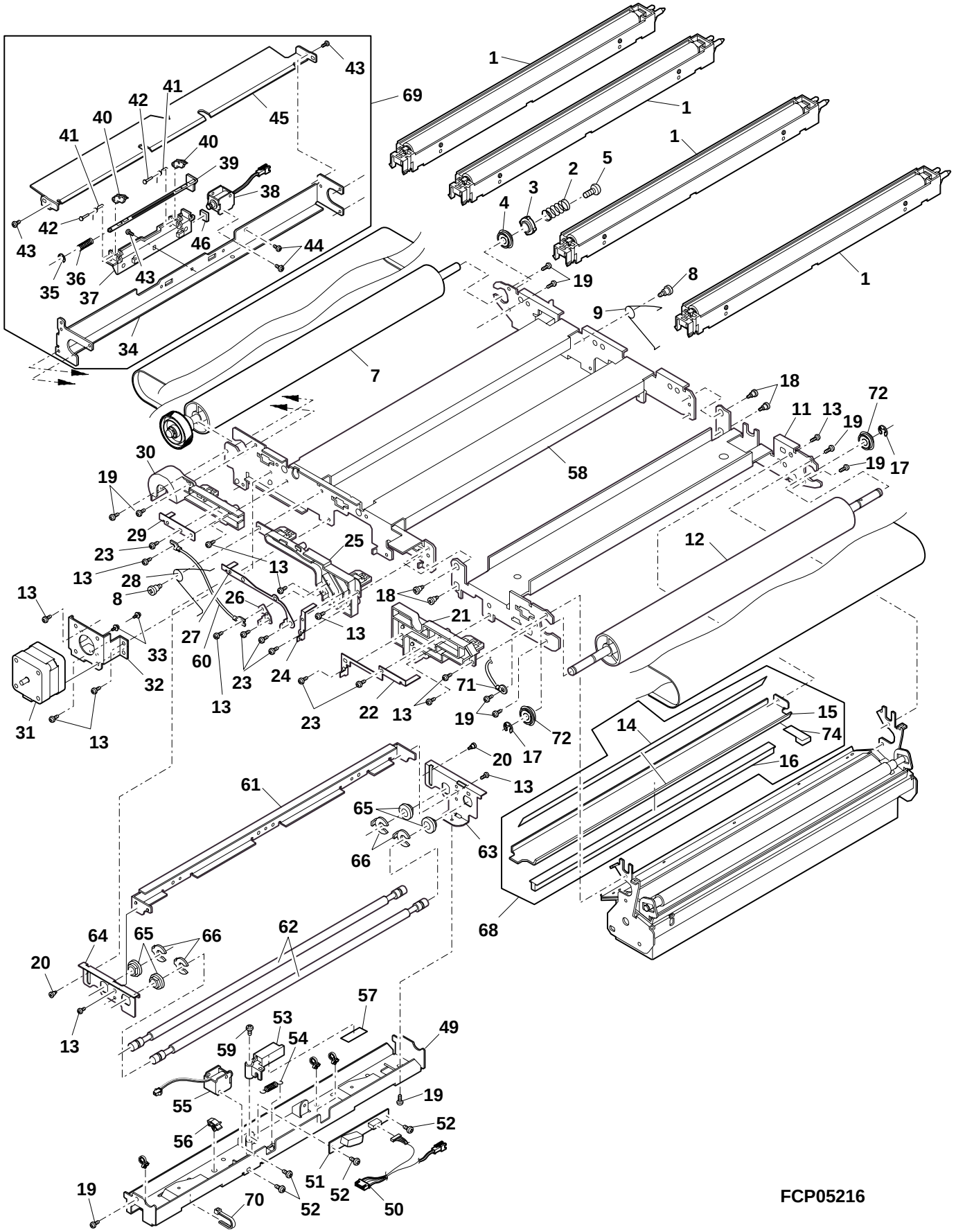
10 転写ﾍﾞﾙﾄ外ﾕﾆｯﾄ 2(Transfer belt out side unit 2)



12 転写ﾍﾞﾙﾄ内ﾕﾆｯﾄ (Transfer belt inner unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	CHLDZ1391FC52		BD	GN		E	Transfer holder unit B	ﾃﾝｼｬﾎﾙﾀﾞｰﾕﾆｯﾄ B
2	MSPRC2720FCZZ		AC	DJ		C	Drive roller spring	ｸﾄﾞｳﾛｰﾗｰｵｻｴｲﾀ ｽﾌﾟﾘﾝｸﾞ
3	PCLR-0449FCZZ		AC	DJ		C	Spring collar	ｽﾌﾟﾘﾝｸﾞｵｻｴ ｶﾗｰ
4	NBRGY0466FCZZ		AK	EB		C	Ball bearing(M8-M16)	ﾎﾞｰﾙﾍﾞｱﾘﾝｸﾞ
5	LX-BZ0883FCZZ		AB	DD		C	Screw	ｻﾄﾞｳｼﾞｸｼﾃﾝﾋﾞｽ
7	CROLM1369FC01		BC	GD		C	Belt drivr roller	ﾍﾞﾙﾄｸﾄﾞｳﾛｰﾗｰ AS
8	LX-BZ0855FCZZ		AC	DD		C	Screw	ﾃﾝｼｮﾝｽﾌﾟﾘﾝｸﾞﾋﾞｽ
9	MSPRC2725FCZZ		AC	DJ		C	TB tension spring R	TB ﾃﾝｼｮﾝｽﾌﾟﾘﾝｸﾞ R
11	LFRM-0984FCZZ		AQ	EQ		C	Belt frame J	ﾃﾝｼｬﾍﾞﾙﾄﾌﾚｰﾑ J
12	NROLM1370FCZZ		AZ	FQ		C	Belt roller	ﾍﾞﾙﾄｼﾞｭﾄﾞｳﾛｰﾗｰ
13	XHBSE30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
14	PSHEP4669FCZZ		AE	DJ		C	Sheet	ｽｸﾚﾊﾟｰﾏｲﾗｰ
15	LPLTM5653FCZ1		AK	DX		C	CL pad plate	CL ﾊﾟｯﾄﾄﾘﾂｹｲﾀ
16	PBRSS0201FCZZ		AK	DX		B	Cleaning brush	ｸﾘｰﾆﾝｸﾞﾊﾟｯﾄ BLT
17	XRESP70-08000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
18	LX-BZ0853FCZZ		AC	DD		C	Screw	ﾌﾚｰﾑｺﾃｲﾀﾞﾝﾋﾞｽ
19	XHBS230P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
20	LX-BZ0852FCZZ		AC	DD		C	Screw	ﾃﾝｼｮﾝﾀﾞﾝﾋﾞｽ
21	LHLDZ1394FCZ1		AG	DX		C	Tb socket holder K	TB ｿｹｯﾄﾎﾙﾀﾞｰ K
22	QEARP0101FCZZ		AE	DS		C	Electrode C	ﾃﾝｼｬﾃﾞﾝｷｮｸ C
23	XEBSD30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
24	QEARP0100FCZZ		AC	DJ		C	Electrode B	ﾃﾝｼｬﾃﾞﾝｷｮｸ B
25	LHLDZ1392FCZ1		AG	DX		C	TB socket holder M/C	TB ｿｹｯﾄﾎﾙﾀﾞｰ M/C
26	QEARP0099FCZZ		AC	DJ		C	Electrode A	ﾃﾝｼｬﾃﾞﾝｷｮｸ A
27	QEARP0110FCZZ		AF	DS		C	Electrode F	ﾃﾝｼｬﾃﾞﾝｷｮｸ F
28	MSPRC2724FCZZ		AC	DJ		C	TB tension spring F	TB ﾃﾝｼｮﾝｽﾌﾟﾘﾝｸﾞ F
29	QEARP0107FCZZ		AD	DJ		C	Electrode E	ﾃﾝｼｬﾃﾞﾝｷｮｸ E
30	LHLDZ1395FCZZ		AG	DS		C	TB socket holder Y	TB ｿｹｯﾄﾎﾙﾀﾞｰ Y
31	RMOTP0842FCZZ		BD	GN		B	Belt drive motor	ﾍﾞﾙﾄｸﾄﾞｳﾓｰﾀｰ
32	LPLTM5525FCZ1		AG	DX		C	SP motor plate	SP ﾓｰﾀｰﾄﾘﾂｹｲﾀ TB
33	XBPSD30P06KS0		AA	DD		C	Screw(3×6KS)	ﾋﾞｽ
34	LPLTM5528FCZZ		AL	EB		C	TB frame plate	TB ﾌﾚｰﾑﾚﾝｹﾂｲﾀ C
35	XRESP25-04000		AA	DD		C	E type ring(Japan only)	E ﾘﾝｸﾞ
36	MSPRC2723FCZ1		AC	DJ		C	Lever spring(Japan only)	ﾚﾊﾞｰﾖｳｽﾌﾟﾘﾝｸﾞ
37	LDAiU0591FCZZ		AE	DJ		C	Separator pawl fixing base	ﾊｸﾘﾂﾒﾄﾘﾂｹﾀﾞｲ
38	RPLU-0332FCZZ		AP	EQ		B	Separator pawl solenoid(Japan only)	ﾊｸﾘﾂﾒｿﾚﾉｲﾄﾞ
39	MLEVP0771FCZZ		AD	DJ		C	Separator pawl lever(Japan only)	ﾊｸﾘﾂﾒﾚﾊﾞｰ
40	PTME-0274FCZZ		AH	DX		C	Belt separator pawl(Japan only)	ﾍﾞﾙﾄﾊｸﾘﾂﾒ
41	MSPRC2722FCZZ		AC	DJ		C	Separator pawl spring(Japan only)	ﾊｸﾘﾂﾒｽﾌﾟﾘﾝｸﾞ
42	LPiNS0322FCZZ		AC	DJ		C	Separator pawl pin(Japan only)	ﾊｸﾘﾂﾒﾋﾟﾝ BR
43	XHBSE30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
44	XHBSD30P05000		AA	DD		C	Screw(3×5)(Japan only)	ﾋﾞｽ
45	PGiDH1965FCZZ		AL	EB		C	Fusing front drive guide	ﾃｲﾁｬｸﾏｴｶﾄﾞｳｶﾞｲﾄﾞ
46	PCUSG0360FCZZ		AB	DJ		C	Cushion(Japan only)	ﾎﾞｳｵﾝｸｯｼｮﾝ
49	CPLTM5529FC01		AL	EB		C	TB sensor plate lower	TB ｾﾝｻｰﾄﾘﾂｹｲﾀｸﾐﾋﾝ
50	DHAi-3001FC11		AN	EG		C	LPS harness	LPS ﾊｰﾈｽ
51	VHPGP2TC21//1		BE	GN		B	Process control sensor(GP2TC21)	ﾌﾟﾛｺﾝｾﾝｻｰ
52	XHBSE30P04000		AA	DD		C	Screw(3×4)	ﾋﾞｽ
53	MLEVP0772FCZ1		AE	DJ		C	Density sensor lever	ﾉｰﾄﾞｾﾝｻｰｷｼﾞｭﾝﾚﾊﾞｰ
54	MSPRC2727FCZZ		AC	DJ		C	Lever spring	ｷｼﾞｭﾝﾚﾊﾞｰﾌｯｷｽﾌﾟﾘﾝｸﾞ
55	RPLU-0334FCZZ		AP	EQ		B	Lever solenoid	ｷｼﾞｭﾝﾚﾊﾞｰｿﾚﾉｲﾄﾞ
56	LHLDW1426FCZZ		AC	DJ		C	Cable holder	ﾐﾆｸﾗﾝﾌﾟ
57	TLABZ4333FCZZ		AC	DJ		C	Label	ｷｼﾞｭﾝﾗﾍﾞﾙ
58	LFRM-0982FCZZ		AV	FG		C	Belt frame K	ﾃﾝｼｬﾍﾞﾙﾄﾌﾚｰﾑ K
59	XBBSD30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
60	DHAi-3005FCZZ		AE	DS		C	High voltage harness	ﾃﾝｼｬｺｳｱﾂﾁｭｳｹｲﾊｰﾈｽ
61	LPLTM5616FCZZ		AH	DX		C	TB tension holding plate upper	TB ﾃﾝｼｮﾝｵｻｴｲﾀ ｳｴ
62	NSFTZ2607FCZZ		AL	EB		C	TB tension shaft	TB ﾃﾝｼｮﾝｼﾞｸ
63	LPLTM5531FCZZ		AF	DS		C	TB tension plate upper R	TB ﾃﾝｼｮﾝﾊﾞﾝ ｳｴ R
64	LPLTM5530FCZZ		AE	DJ		C	TB tension plate upper F	TB ﾃﾝｼｮﾝﾊﾞﾝ ｳｴ F
65	NBRGC0080FCZ1		AD	DJ		C	Bearing	ｼﾞｸｳｹ
66	LSTPP0274FCZZ		AA	DD		C	Roller stopper	ｷﾞｬｸﾃﾝﾛｰﾗｰｽﾄｯﾊﾟｰ
68	CBRSS0201FC51		BB	GD		E	CL pad brash unit	CL ﾊﾟｯﾄﾞﾌﾞﾗｼﾕﾆｯﾄ
69	CPLTM5528FC52	3	BP	LP		E	TB frame plate unit(Japan only)(up to 2001:12)	TB ﾌﾚｰﾑﾚﾝｹﾂｲﾀﾕﾆｯﾄ
	CPLTM5528FC54	3	AZ	FQ		E	TB frame plate unit(Japan only)(from 2002:1)	TB ﾌﾚｰﾑﾚﾝｹﾂｲﾀﾕﾆｯﾄ
	CPLTM5528FC53	3	AR	EQ		E	TB frame plate unit(except Japan)	TB ﾌﾚｰﾑﾚﾝｹﾂｲﾀﾕﾆｯﾄ
70	LBNDJ0013FCZ1		AA	DJ		C	Wire band	ﾜｲﾔｰﾊﾞﾝﾄﾞ
71	DHAi-3119FCZZ		AC	DJ		C	Belt U earth harness	ﾍﾞﾙﾄ U ｱｰｽﾊｰﾈｽ
72	NBRGC0632FCZZ		AE	DS		C	Bearing	ﾍﾞｱﾘﾝｸﾞ
74	PSHEZ4780FCZZ		AF	DS		C	Belt sheet	ﾍﾞﾙﾄﾖｳﾓｹｯﾄ
	(Unit)							
901	DUNT-6991FC13		BX	TF		E	Transfer inner unit(Japan only)(except no.31,32,33)	ﾃﾝｼｬｳﾁﾕﾆｯﾄ

12 転写ﾍﾞﾙﾄ内ﾕﾆｯﾄ (Transfer belt inner unit)



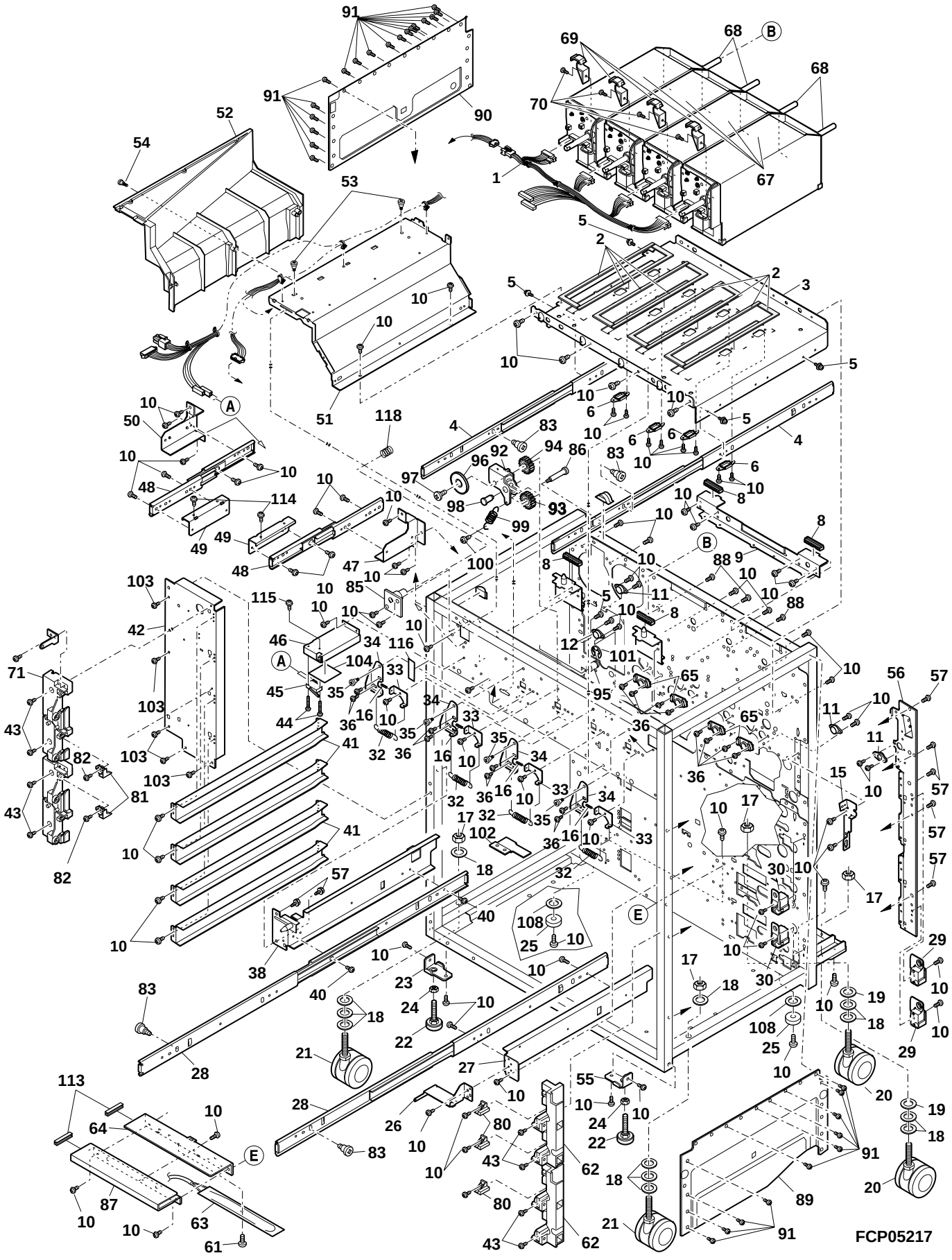
13 ﾒｲﾝﾌﾚｰﾑ部 (Main frame section)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	DHAi-3329FCZZ		AZ	FQ		C	ICU/LSU harness	ICU/LSU ﾊｰﾈｽ
2	PMLT-1190FCZZ		AE	DJ		C	LSU shield cushion	LSU ｼｰﾙﾄﾞﾓﾙﾄ
3	LDAiU0589FCZZ		AZ	FQ		C	LSU base	LSU ﾀﾞｲﾊﾞﾝ
4	MSLi-0136FCZ1		AZ	FQ		C	Slide rall	ﾌﾟﾛｾｽｽﾗｲﾄﾞﾚｰﾙ
5	XBPSD40P08KS0		AA	DD		C	Screw(4×8KS)	ﾋﾞｽ
6	NBRGP0623FCZZ		AC	DJ		C	Bearing	LSU ﾀﾞｲ2 ｼﾃﾝｼﾞｸｳｹ
8	PSHEZ4674FCZZ		AG	DX		C	Rubber sheet	ｾｲｼﾝｺﾞﾑｼｰﾄ
9	LPLTM5644FCZZ		AM	EG		C	Optical unit fixing plate R	ｺｳｶﾞｸﾕﾆｯﾄﾄﾘﾂｹｲﾀ R
10	XHBSE40P08000		AA	DD		C	Screw(4×8)	ﾋﾞｽ
11	LHLDZ1414FCZZ		AF	DS		C	Holder D	ﾎﾙﾀﾞｰ D
12	LHLDZ1397FCZZ		AF	DS		C	Holder C	ﾎﾙﾀﾞｰ C
15	LPLTM5605FCZZ		AF	DS		C	Manual PF unit fixing plate	ﾃｻｼﾄﾘﾂｹｲﾀ
16	LX-BZ0863FCZZ		AD	DD		C	Screw	ﾋﾞｽ
17	XNESD00-80000		AA	DD		C	Nut	ﾅｯﾄ
18	LX-WZ0431FCZZ		AC	DD		C	Washer	ｷｬｽﾀｰﾖｳﾜｯｼｬ
19	XWHSD00-10180		AA	DD		C	Washer	ﾜｯｼｬ
20	GLEGM0072FCZZ		AQ	EQ		C	BR caster R	BR ｷｬｽﾀｰ R
21	GLEGM0071FCZZ		AR	EQ		C	BR caster F	BR ｷｬｽﾀｰ F
22	PAJS-0015FCZZ		AG	DS		C	Adjuster	ｱｼﾞｬｽﾀｰ BR
23	LPLTM5502FCZZ		AF	DS		C	Adjuster fixing plate L	ｱｼﾞｬｽﾀｰﾄﾘﾂｹｲﾀ L
24	XNESD80-65000		AA	DD		C	Nut	ﾅｯﾄ
25	LPLTM5504FCZZ		AE	DJ		C	Plate	ﾀﾞｲｼｬｲﾁｷﾞﾒｲﾀ BR
26	MHNG-0205FCZZ		AH	DX		C	Front cabinet hinge R	ﾏｴｷｬﾋﾞﾋﾝｼﾞ R
27	LSTYM0236FCZZ		AM	EG		C	Transport stay R	ﾊﾝｿｳｽﾃｰ R
28	MSLi-0137FCZZ		AZ	FQ		C	Transport rail	ﾊﾝｿｳﾖｳﾚｰﾙ
29	LHLDZ1363FCZZ		AD	DJ		C	Right door fulcrum holder F	ﾐｷﾞﾄﾞｱｼﾃﾝﾎﾙﾀﾞｰ F
30	LHLDZ1364FCZZ		AD	DJ		C	Right door fulcrum holder R	ﾐｷﾞﾄﾞｱｼﾃﾝﾎﾙﾀﾞｰ R
32	MSPRC2771FCZZ		AC	DJ		C	Pressure spring	ｻﾄﾞｳｼﾞｸｱｯｾﾂｽﾌﾟﾘﾝｸﾞ
33	LPLTM5588FCZZ		AF	DS		C	LSU adjust plate	LSU ﾁﾖｳｾｲｲﾀ
34	LPLTM5587FCZZ		AF	DS		C	Shaft pressre plate	ｻﾄﾞｳｼﾞｸｱｯｾﾂｲﾀ
35	LX-BZ0862FCZZ		AC	DD		C	Screw	ｱｯｾﾂｲﾀｼﾃﾝﾀﾞﾝﾋﾞｽ
36	LX-BZ0881FCZZ		AC	DD		C	Screw	ﾎﾙﾀﾞｰﾖｳｱｶﾋﾞｽ
38	CSTYM0235FC01		AQ	EQ		C	Transport stay L	ﾊﾝｿｳｽﾃｰ L AS
40	XHBSE40P06000		AA	DD		C	Screw(4×6)	ﾋﾞｽ
41	LRALM0171FCZZ		AN	EG		C	Cassette rail L	ｶｾｯﾄﾚｰﾙ L
42	LPLTM5511FCZZ		AP	EQ		C	Rail fixing plate	ｶｾｯﾄﾚｰﾙ L ﾄﾘﾂｹｲﾀ
43	XHBSE40P14000		AA	DD		C	Screw(4×14)	ﾋﾞｽ
44	XBPSD30P16000		AA	DD		C	Screw(3×16)	ﾋﾞｽ
45	QSW-M0502FCZZ		AH	DX		B	Door switch(AM51632C531)	ﾄﾞｱｰｽｲｯﾁ
46	LHLDZ1416FCZZ		AH	DX		C	Door switch holder	ﾄﾞｱ SW ﾎﾙﾀﾞｰ
47	LPLTM5506FCZZ		AG	DX		C	Rail fixing plate R	ﾚｰﾙﾄﾘﾂｹｲﾀ R
48	MSLi-0135FCZZ		AR	EQ		C	Hopper slide rail	ﾎｯﾊﾟｰｽﾗｲﾄﾞﾚｰﾙ
49	LPLTM5507FCZ1		AF	DS		C	Hopper fixing plate	ﾎｯﾊﾟｰﾄﾘﾂｹｲﾀ
50	LPLTM5505FCZZ		AG	DX		C	Rail fixing plate L	ﾚｰﾙﾄﾘﾂｹｲﾀ L
51	LPLTM5508FCZZ		AS	EQ		C	Fan dact plate	ﾌｧﾝﾀﾞｸﾄｲﾀ
52	PDUC-0157FCZZ		AY	FQ		C	Fusing duct	ﾃｲﾁﾔｸﾀﾞｸﾄ
53	LX-BZ0773FCZZ		AH	DX		C	Screw	ﾋﾞｽ
54	LX-BZ0714FCZZ		AC	DD		C	Screw	ﾋﾞｽ
55	LPLTM5503FCZZ		AF	DS		C	Adjuster fixing plate R	ｱｼﾞｬｽﾀｰﾄﾘﾂｹｲﾀ R
56	CFRM-0974FC01		AR	EQ		C	Right front frame	ﾐｷﾞﾏｴﾌﾚｰﾑ AS
57	LX-BZ0880FCZZ		AB	DD		C	Screw	ｱｯｾﾂｲﾀｺﾃｲｱｶﾋﾞｽ
61	XHBSE30P04000		AA	DD		C	Screw(3×4)	ﾋﾞｽ
62	CRALP0161FC02		AS	EQ		E	Cassette rail R cover unit	ｶｾｯﾄﾚｰﾙ R ｶﾊﾞｰﾕﾆｯﾄ
63	RHETP0076FCZZ		AQ	EQ		B	Dry heater B(Japan)	ｼﾞｮｼﾂﾋｰﾀｰ B
64	LPLTM5602FCZZ		AG	DX		C	Upper heater fixing plate(Japan)	ｳｴﾋｰﾀｰﾄﾘﾂｹｲﾀ
65	CHLDZ1454FC01		AM	EG		C	DV bearing holder	DV ｼﾞｸｳｹﾎﾙﾀﾞｰ R
67	DUNT-7118FCZZ		CK	UR		E	LSU unit	LSU ﾕﾆｯﾄ
68	NSFTZ2540FCZZ	1	AR	EQ		C	LSU drive shaft(up to 2001:9 ARC160)	LSU ｻﾄﾞｳｼﾞｸ
	NSFTZ2714FCZZ	1	AN	EQ		C	LSU drive shaft(from 2001:10 ARC160) [ARC160/270/280]	LSU ｻﾄﾞｳｼﾞｸ
69	LDAiU0606FCZZ		AE	DJ		C	LSU block	LSU ｺﾃｲﾌﾞﾛｯｸ
70	XBBSD40P10000		AA	DD		C	Screw(4×10)	ﾋﾞｽ
71	CCOVP1476FC31		AS	EQ		E	Cassette L cover unit	ｶｾｯﾄﾚｰﾙ L ｶﾊﾞｰﾕﾆｯﾄ
80	LSTPP0344FCZZ		AC	DJ		C	Tray stopper right	ﾄﾚｲｽﾄｯﾊﾟｰ ﾐｷﾞ
81	LSTPP0345FCZZ		AC	DJ		C	Tray stopper left	ﾄﾚｲｽﾄｯﾊﾟｰ ﾋﾀﾞﾘ
82	XEBSE40P14000		AA	DD		C	Screw(4×14)	ﾋﾞｽ
83	LX-BZ0848FCZZ		AC	DD		C	Screw	ﾋﾞｽ
85	CPLTM5551FC01		AG	DS		C	Optical unit fulcrum plate F	ｺｳｶﾞｸﾕﾆｯﾄｼﾃﾝﾌﾟﾚｰﾄ F
86	NSFTZ2525FCZZ		AE	DJ		C	Optical unit fulcrum shaft R	ｺｳｶﾞｸﾕﾆｯﾄｼﾃﾝｼｬﾌﾄ R
87	PCOVQ1499FCZZ		AK	EB		C	Upper heater cover(Japan)	ｳｴﾋｰﾀｰｶﾊﾞｰ -
88	LX-BZ0883FCZZ		AB	DD		C	Screw	ｻﾄﾞｳｼﾞｸｼﾃﾝﾋﾞｽ
89	LPLTM5673FCZ1		AT	EZ		C	Paper feeding sub plate	ｷｭｳｼｶﾞﾜﾎｷｮｳｲﾀ
90	LPLTM5674FCZZ		AS	EQ		C	Delivery sub plate	ﾊｲｼｶﾞﾜﾎｷｮｳｲﾀ
91	LX-BZ0889FCZZ		AA	DD		C	Screw	ﾎｷﾖｳｲﾀｺﾃｲﾋﾞｽ
92	LPLTM5672FCZ1		AE	DJ		C	Delivery plate	ﾊｲｼﾚﾝｹﾂﾊﾞﾝ
93	NGERH0862FCZZ		AB	DD		C	DV drive gear	DV ｸﾄﾞｳｷﾞﾔ
94	NGERH0861FCZZ		AB	DD		C	Paper feed roller gear 18T	ｷｭｳｼﾛｰﾗｰｷﾞﾔ 18T
95	LBOSZ2004FCZZ		AE	DS		C	Delivery boss	ﾊｲｼﾚﾝｹﾂﾎﾞｽ
96	PCLR-0457FCZZ		AD	DJ		C	Delivery collar	ﾊｲｼﾚﾝｹﾂｶﾗｰ
97	LX-BZ0888FCZZ		AC	DD		C	Screw	ﾀﾞﾝﾋﾞｽ
98	LBOSZ2007FCZ1		AF	DS		C	Delivery boss A	ﾊｲｼﾚﾝｹﾂﾎﾞｽ A

13 ﾒｲﾝﾌﾚｰﾑ部 (Main frame section)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
99	MSPRT2804FCZ1		AC	DJ		C	Delivery spring	ﾊｲｼﾚﾝｹﾂｽﾌﾟﾘﾝｸﾞ
100	LX-BZ0342FCZZ		AB	DD		C	Screw(M3)	ﾋﾞｽ
101	XRESP70-08000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
102	LPLTM5677FCZZ		AE	DJ		C	Bottom plate support plate	ｿｺｲﾀﾎｼﾞｮｲﾀ
103	XHBSE40P05000		AB	DD		C	Screw(4×5)	ﾋﾞｽ
104	PSHEP4756FCZZ		AE	DJ		C	Door switch sheet	ﾄﾞｱｽｲｯﾁﾖｳﾏｲﾗｰ
108	XWSSD00-25000		AB	DD		C	Spring washer	ｽﾌﾟﾘﾝｸﾞﾜｯｼｬ
113	LBSHC0346FCZZ		AC	DJ		C	Edge cover(Japan)	ｴｯｼﾞｶﾊﾞｰ60
114	LX-BZ0895FCZZ		AC	DD		C	Screw for hopper	ﾋﾞｽ
115	XHBSD30P12000		AA	DD		C	Screw(3×12)	ﾋﾞｽ
116	PSHEP4810FCZZ		AC	DJ		C	Left exteriors sheet	ﾋﾀﾞﾘﾏｴｷｬﾋﾞｼｰﾄ
118	MSPRC3025FCZZ		AD	DJ		C	Scanner earth spring	ｽｷｬﾅｰｱｰｽｽﾌﾟﾘﾝｸﾞ

13 メインフレーム部 (Main frame section)



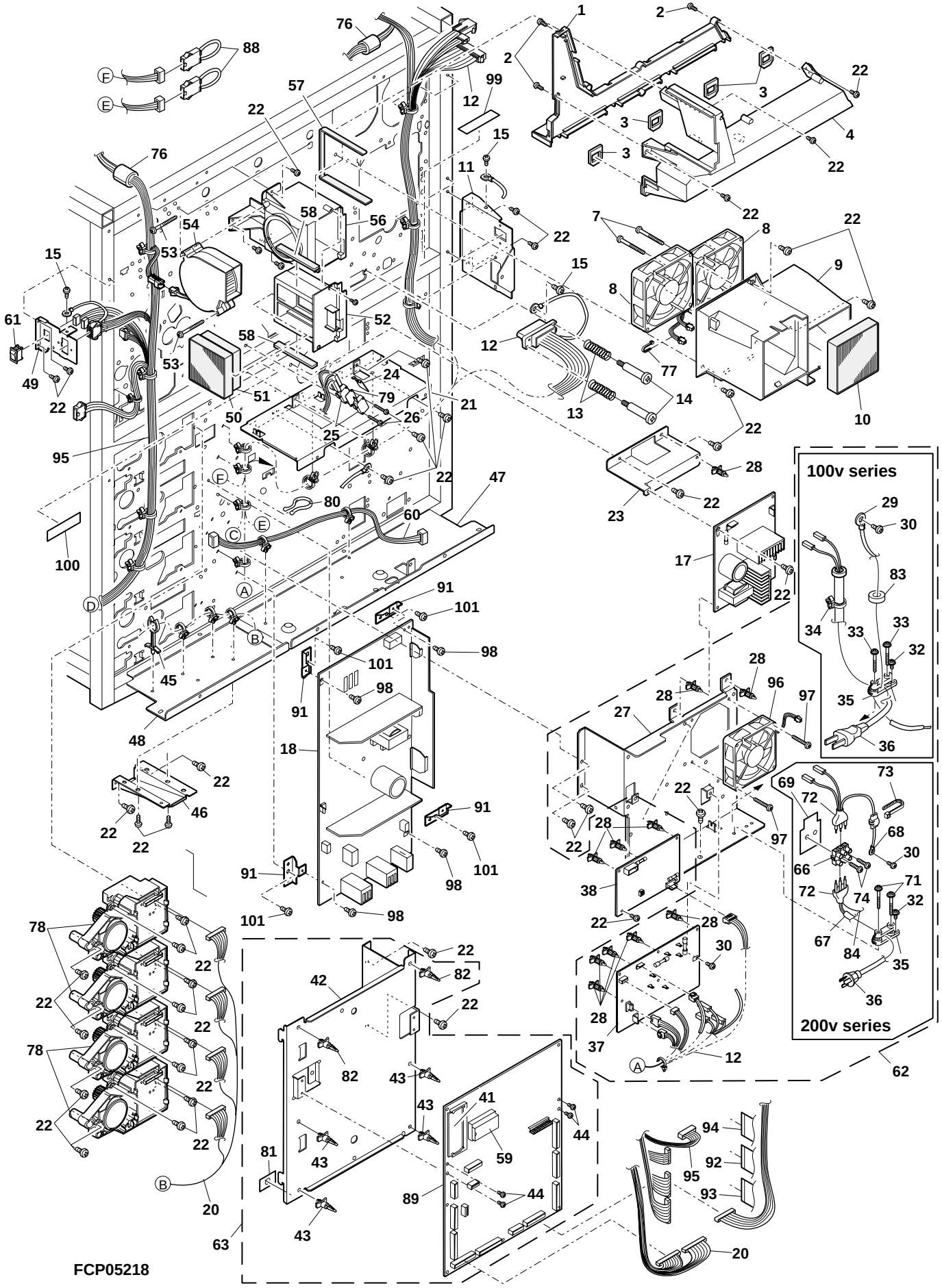
14 後ﾌﾚｰﾑ 1(Rear frame 1)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	PCOVP1479FCZZ		AN	EG		C	Duct A cover ﾀﾞｸﾄ A ｶﾊﾞｰ
2	XEBSD30P08000		AA	DD		C	Screw(3×8) ﾋﾞｽ
3	PMLT-1199FCZZ		AC	DJ		C	Duct cushion D ﾀﾞｸﾄﾓﾙﾄ D
4	PDUC-0154FCZZ		AR	EQ		C	Duct A ﾀﾞｸﾄ A
7	XEPSD40P35000		AA	DD		C	Screw(4×35) ﾋﾞｽ
8	NFANP0054FCZZ		AZ	FQ		B	Process cooling fan ﾌﾟﾛｾｽﾚｲｷｬｸﾌｧﾝ
9	PDUC-0153FCZZ		AS	EQ		C	Fan duct ﾌﾟﾛｾｽﾌｧﾝﾀﾞｸﾄ
10	PFiLZ0271FCZ1		AW	FG		C	Ozone filter ﾌﾟﾛｾｽｵｿﾞﾝﾌｨﾙﾀｰ
11	LPLTM5612FCZZ		AL	EB		C	Connector plate B ｺﾈｸﾀﾄﾘﾂｹｲﾀ B
12	DHAi-3316FC11		BF	GN		C	AC harness R(100V series) AC ﾊｰﾈｽ R
	DHAi-3317FC12		BF	GN		C	AC harness R(200V series) AC ﾊｰﾈｽ R
13	MSPRC0950FCZZ		AB	DD		C	Connector slide spring ｺﾈｸﾀｰｽﾗｲﾄﾞｽﾌﾟﾘﾝｸﾞ
14	LX-BZ0850FCZZ		AC	DD		C	Screw ﾄﾞﾛｱｺﾈｸﾀｰﾀﾞﾝﾈｼﾞ
15	XBPSD40P08K00		AA	DD		C	Screw(4×8K) ﾋﾞｽ
17	CPWBF1423FC33		BN	HV		E	CLR PWB unit 100(100V series) CLR PWB ﾕﾆｯﾄ 100
	CPWBF1352FC31		BN	HZ		E	CLR PWB unit 200(200V series) CLR PWB ﾕﾆｯﾄ 200
⚠ 18	RDENC0002FCZZ		BX	RR		E	DC Power supply unit 100(100V series) DC 電源ﾕﾆｯﾄ 100
⚠	RDENC0011FCZZ	1	BX	RR		E	DC Power supply unit 200(200V series) (up to 2001:12 ARC160) DC 電源ﾕﾆｯﾄ 200
⚠	RDENC0011FCZ1	1	BX	RR	N	E	DC Power supply unit 200(200V series) (from 2002:1 ARC160) [ARC160/270] DC 電源ﾕﾆｯﾄ 200
20	DHAi-3310FC11		BD	GJ		C	DC harness [ARC160] DC ﾊｰﾈｽ
	DHAi-3310FC12		BD	GJ	N	C	DC harness [ARC270/280] DC ﾊｰﾈｽ
21	LPLTM5949FCZZ		AR	EQ		C	DRM PWB fixing plate DRM ｷﾊﾞﾝﾄﾘﾂｹｲﾀ
22	XHBSE40P08000		AA	DD		C	Screw(4×8) ﾋﾞｽ
23	LPLTM5639FCZZ		AG	DX		C	CLR PWB fixing plate CLR PWB ﾄﾘﾂｹｲﾀ
24	MLEVF0209FCZZ		AD	DJ		C	DSW lever DSW ﾚﾊﾞｰ
25	QSW-M0453FCZZ		AM	EQ		B	Door switch(100V series) ﾄﾞｱｰｽｲｯﾁ
	QSW-M0454FCZZ		AM	EG		B	Door switch(200V series) ﾄﾞｱｰｽｲｯﾁ
26	XHPSD30P25000		AA	DD		C	Screw(3×25) ﾋﾞｽ
27	LPLTM5613FCZZ		AR	EQ		C	AC PWB fixing plate AC PWB ﾄﾘﾂｹｲﾀ
28	LSUPP0086FCZZ		AB	DJ		C	PWB supporter(LCBS-06) ｷﾊﾞﾝｻﾎﾟｰﾀｰ
29	DHAi-3087FCZZ		AN	EG		C	Earth cord unit(Japan,Taiwan only) ｱｰｽｺｰﾄﾞ UN
30	XBPSD40P06K00		AA	DD		C	Screw(4×6K) ﾋﾞｽ
32	LX-BZ4008SC0S		AA	DD		C	Screw(4×8) ﾋﾞｽ
33	XBPSD40P20XS0		AA	DD		C	Screw(4×20XS)(100V series) ﾋﾞｽ
	XBPSD40P25XS0		AA	DD		C	Screw(4×25XS)(120V series) ﾋﾞｽ
34	LBNDJ0043FCZ1		AA	DJ		C	Snap band ｽﾅｯﾌﾟﾊﾞﾝﾄﾞ
35	LFiX-0084FCZZ		AC	DD		C	AC cord fixer(120V series) AC ｺｰﾄﾞｵｻｴ
	LFiX-0016FCZZ		AD	DJ		C	AC cord fixer(Other countries) AC ｺｰﾄﾞｵｻｴ
⚠ 36	DHAi-2903FC40		AX	FG		B	AC cord(100V) AC ｺｰﾄﾞ
⚠	DHAi-2903FC41		AX	FG		B	AC cord(120V) AC ｺｰﾄﾞ
⚠	QACCV6420QCZZ		AV	FQ		B	AC cord(Germany,Europe,STCL,LAG) AC ｺｰﾄﾞ
⚠	QACCR7421QCZZ		AY	FQ		B	AC cord(Argentina) AC ｺｰﾄﾞ
⚠	QACCL8421QCZZ		AW	FX		B	AC cord(Australia,New Zealand) AC ｺｰﾄﾞ
⚠	QACCE7422QCZZ		BB	GD		B	AC cord(U.Kingdom) AC ｺｰﾄﾞ
⚠	QCNW-0001QSZZ		AR	EQ		B	AC cord(Other countries) AC ｺｰﾄﾞ
37	CPWBF1335FC51		BF	GN		E	AC Main PWB unit(100V Japan) [ARC160] AC ﾒｲﾝ PWB ﾕﾆｯﾄ J
	CPWBF1335FC54		BF	ZZ	N	E	AC Main PWB unit(100V Japan) [ARC280] AC ﾒｲﾝ PWB ﾕﾆｯﾄ J
	CPWBF1335FC52		BG	GT		E	AC Main PWB unit 120(120V series) AC ﾒｲﾝ PWB ﾕﾆｯﾄ 120
	CPWBF1335FC53		BF	GN		E	AC Main PWB unit 200(200V series) AC ﾒｲﾝ PWB ﾕﾆｯﾄ 200
	CPWBF1337FC51		BF	GN		E	AC Main PWB unit(Taiwan) AC ﾒｲﾝ PWB ﾕﾆｯﾄ
38	CPWBF1497FC51	3	BC	GJ		E	Enagy Star Relay PWB(up to 2001:11 ARC160) ｴﾅｼﾞｰｽﾀｰﾘﾚｰ基板
	CPWBF1497FC52	3	BC	GD		E	Enagy Star Relay PWB (from 2001:12 ARC160) [ARC160/270/280] ｴﾅｼﾞｰｽﾀｰﾘﾚｰ基板
41	VHi28F161A49F		BG	GX		B	PCU Main flash PWB(28F161A49F) [ARC160] PCU ﾒｲﾝﾌﾗｯｼｭ PWB
	VHi28F161A50F		BD	GN	N	B	PCU Main flash PWB(28F161A50F) [ARC270/280] PCU ﾒｲﾝﾌﾗｯｼｭ PWB
42	LPLTM5515FCZZ		AN	EQ		C	PCU fixing plate PCU ﾄﾘﾂｹｲﾀ
43	LSUPP0083FCZZ		AB	DJ		C	Supporter(LCBS-3) ｷﾊﾞﾝｻﾎﾟｰﾀｰ
44	XHBSD30P06000		AA	DD		C	Screw(3×6) ﾋﾞｽ
45	LBSHC0339FCZZ		AC	DJ		C	Wire bushing(HL-26L) ﾌﾞｯｼﾝｸﾞ
46	LPLTM5632FCZZ		AG	DS		C	Bottom plate rear support ｿｺｲﾀｳｼﾛﾎｷｮｳ
47	LPLTM5631FCZZ		AK	DX		C	Bottom plate rear right ｿｺｲﾀｳｼﾛﾐｷﾞ
48	LPLTM5497FCZZ		AP	EQ		C	Bottom plate rear left ｿｺｲﾀｳｼﾛﾋﾀﾞﾘ
49	LPLTM5611FCZZ		AG	DX		C	Connector fixing plate A ｺﾈｸﾀﾄﾘﾂｹｲﾀ A
50	PFiLZ0273FCZ1		AY	FQ		C	Ozone filter ｵｿﾞﾝﾌｲﾙﾀｰ
51	PFiLZ0272FCZZ		AV	FG		C	Toner filter ﾄﾅｰﾌｲﾙﾀｰ
52	PCOVP1480FCZZ		AK	DX		C	Filter box cover ﾌｲﾙﾀﾎﾞｯｸｽｶﾊﾞｰ
53	XEBSD40P40000		AB	DD		C	Screw(4×40) ﾋﾞｽ
54	NFANS0061FCZZ		BC	GJ		B	Ozone waste fan ｵｿﾞﾝﾊｲｷﾌｧﾝ
56	PBOX-0118FCZZ		AM	EG		C	Filter box ﾌｲﾙﾀｰﾎﾞｯｸｽ
57	PMLT-1196FCZ1		AD	DJ		C	Duct cushion A ﾀﾞｸﾄﾓﾙﾄ A
58	PMLT-1217FCZZ		AC	DJ		C	Duct cushion E ﾀﾞｸﾄﾓﾙﾄ E
59	VHi58C256AP-1		BB	GD		B	EEPROM(58C256AP) EEPROM
60	DHAi-3010FC11		AS	EQ		C	TFD i/f harness B TFD ﾁｭｳｹｲﾊｰﾈｽ B
61	QSW-C9294QCZZ		AF	DS		B	Switch(Japan only) ｽｲｯﾁ

14 後ﾌﾚｰﾑ 1(Rear frame 1)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
62	CPLTM5613FC65		BP	LP		E	AC main PWB plate unit(Japan)	[ARC160] AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC66		BQ	LP		E	AC main PWB plate unit(U.S.A,Canada,LAG2)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC67		BQ	LP		E	AC main PWB plate unit(Germany,Europe,STCL)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC68		BR	LX		E	AC main PWB plate unit(U.Kingdom)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC69		BQ	LP		E	AC main PWB plate unit(Australia,New Zealand)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC70		BP	LP		E	AC main PWB plate unit(Philippines)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC71		BQ	LP		E	AC main PWB plate unit(Taiwan)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC72		BR	LX		E	AC main PWB plate unit(Israel)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC73		BR	LX		E	AC main PWB plate unit(Singapore,SRSSC)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC74		BR	LX		E	AC main PWB plate unit(Hong Kong)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC75		BR	LX		E	AC main PWB plate unit(LAG4)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC76		BR	LX		E	AC main PWB plate unit(Saudi Arabia)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC77		BR	LX		E	AC main PWB plate unit(South Africa,India)	AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5613FC78		BN	ZZ	N	E	AC main PWB plate unit(Japan)	[ARC280] AC ﾒｲﾝ PWB ﾄﾘﾂﾂｹﾕﾆｯﾄ
63	CPLTM5515FC56		CF	UK		E	PCU Main plate unit	[ARC160] PCU ﾒｲﾝﾄﾘﾂﾂｹﾕﾆｯﾄ
	CPLTM5515FC57		BT	ZZ	N	E	PCU Main plate unit	[ARC270/280] PCU ﾒｲﾝﾄﾘﾂﾂｹﾕﾆｯﾄ
66	QTANN0015FCZZ		AG	DS		C	3P terminal base(200V series)	3P ﾀｰﾐﾅﾙﾀﾞｲ
67	QPLGA0003QCZZ		AN	EQ		C	AC plug(Singapore)	AC ﾌﾟﾗｸﾞ
	QPLGA4171CCZZ		AN	EG		C	AC plug(Hong Kong)	AC ﾌﾟﾗｸﾞ
68	QTANP0092FCZZ		AA	DD		C	Terminal(Philippines)	ﾀｰﾐﾅﾙ
69	PSHEP1804FCZZ		AB	DD		C	3P terminal sheet(200V series)	3P ﾀｰﾐﾅﾙ ﾎｺﾞｼｰﾄ
71	XBPSD40P20XS0		AA	DD		C	Screw(4×20XS)	ﾋﾞｽ
72	PHOG-0213FCZZ		AB	DD		C	3P terminal base cover(200V series)	3P ﾀｰﾐﾅﾙﾀﾞｲ ｶﾊﾞｰ
73	UBNDA0001FCZZ		AA	DD		C	Band(200V series)	ﾊﾞﾝﾄﾞ
74	XBPSD30P16000		AA	DD		C	Screw(3×16)(200V series)	ﾋﾞｽ
76	RCORF1036ACZZ		AP	EQ		C	Core(RFC-9)(except USA,Canada)	ｺｱ
77	LBNDJ0013FCZ1		AA	DJ		C	Wire band	ﾜｲﾔｰﾊﾞﾝﾄﾞ
78	CDAiU0577FC31		BE	GN		E	Lift up unit	ﾘﾌﾄｱｯﾌﾟﾕﾆｯﾄ
79	PSHEP4850FCZZ		AC	DJ		C	Switch sheet	ｽｲｯﾁｼｰﾄ
80	LHLDW1275FCZZ		AB	DJ		C	Cable holder	ｹｰﾌﾞﾙﾎﾙﾀﾞｰ
81	PSHEP4804FCZZ		AC	DJ		C	PCU main edge sheet	PCU ﾒｲﾝﾎｺﾞｼｰﾄ
82	LSUPP0109FCZZ		AC	DJ		C	Supporter(SPSN-4)	ｻﾎﾟｰﾀｰ
83	RCORF0038FCZZ		AF	DS		C	Core(HF70T226.51)	ｺｱ
84	DHAi-3117FCZZ		AL	EB		C	3P terminal base harness(200V series)	3P ﾀﾝｼﾀﾞｲﾊｰﾈｽ
88	DHAi-3309FCZZ		AE	DJ		C	AC return harness(Except Japan)(100V series)	AC ﾘﾀｰﾝﾊｰﾈｽ
89	CPWBN1504FC51		CB	TZ		E	PCU Main PWB unit	[ARC160] PCU ﾒｲﾝ PWB ﾕﾆｯﾄ
	CPWBN1504FC52		BN	ZZ	N	E	PCU Main PWB unit	[ARC270/280] PCU ﾒｲﾝ PWB ﾕﾆｯﾄ
91	LPLTM5951FCZ1		AE	DJ		C	DC power supply fixing plate	DC 電源取り付けﾌﾟﾚｰﾄ
92	DHAi-3314FC11		AK	DX		C	PCU FFC B	PCU FFC B
93	DHAi-3315FC11		AH	DX		C	PCU FFC C	PCU FFC C
94	DHAi-3313FC11		AK	EB		C	PCU FFC A	PCU FFC A
95	DHAi-3311FC11	3	BD	GJ		C	PCU harness A(Japan)(up to 2002:2 ARC160)	PCU ﾊｰﾈｽ A
	DHAi-3311FC12	3	BD	GN	N	C	PCU harness A(Japan)(from 2002:3 ARC160)	[ARC160/280] PCU ﾊｰﾈｽ A
	DHAi-3312FC11	3	BC	GJ		C	PCU harness B(except Japan)(up to 2002:2 ARC160)	PCU ﾊｰﾈｽ B
	DHAi-3312FC12	3	BC	GJ	N	C	PCU harness B (except Japan)(from 2002:3 ARC160)	[ARC160/270] PCU ﾊｰﾈｽ B
96	NFANP0056FCZZ		AX	FG		B	Fan	ﾌｧﾝ
97	XHPSD40P30000		AA	DD		C	Screw(4×30)	ﾋﾞｽ
98	XBBSD30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
99	LBSHC0196FCZZ		AA	DD		C	Busing	ﾌﾞｯｼﾝｸﾞ
100	PSHEP4856FCZZ		AC	DJ		C	Edge protect sheet	ｴｯｼﾞ保護ｼｰﾄ
101	XHBSE30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ

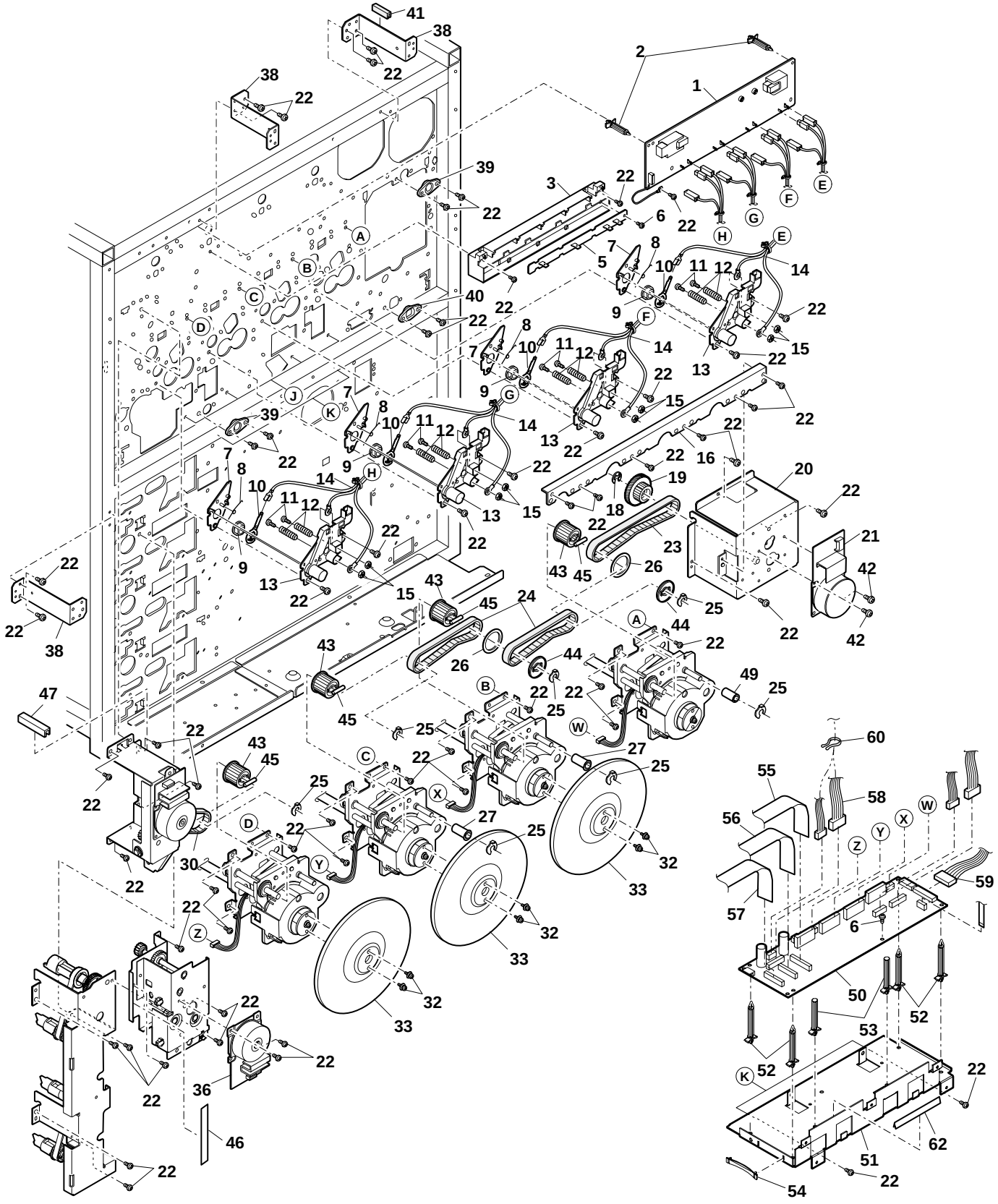
14 後ﾌﾚｰﾑ 1(Rear frame 1)



15 後ﾌﾚｰﾑ 2(Rear frame 2)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	RTRNZ0543FCZ1		BS	MJ		E	High voltage power supply MC	ｺｳｱﾂﾃﾞﾝｹﾞﾝ MC
2	LSUPP0112FCZZ		AC	DJ		C	Supporter	ｻﾎﾟｰﾀｰ
3	LDAiU0605FCZZ		AK	EB		C	PWB fixing plate	ｺｳｱﾂ PWB ﾄﾘﾂｹﾀﾞｲ
5	CPWBF1398FC31		AL	EB		E	MC branch PWB unit	MC ﾌﾞﾝｷ PWB ﾕﾆｯﾄ
6	XEBSE30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
7	LHLDZ1421FCZZ		AE	DS		C	DV bias holder	DV ﾊﾞｲｱｽﾎﾙﾀﾞｰ
8	MSPRC2765FCZZ		AB	DJ		C	DV dias spring	DV ﾊﾞｲｱｽｽﾌﾟﾘﾝｸﾞ
9	NBRGC0346FCZ1		AD	DJ		C	Bearing-2	DV ﾊﾞｲｱｽｼﾞｸｳｹ
10	QEARP0103FCZZ		AF	DS		C	DV bias	ﾃﾞﾝｷｮｸ DV ﾊﾞｲｱｽ
11	XBPSD30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
12	MSPRC2766FCZ1		AC	DJ		C	MC high voltage spring	MC ｺｳｱﾂｽﾌﾟﾘﾝｸﾞ
13	LHLDZ1407FCZZ		AK	DX		C	High voltage holder	ｺｳｱﾂﾎﾙﾀﾞｰ
14	DHAi-2983FCZZ		AK	EB		C	Drive high voltage haeness	ｸﾄﾞｳｺｳｱﾂﾊﾈｰｽ
15	XNESD30-24000		AA	DD		C	Nut(M3)	ﾅｯﾄ
16	LSTYM0247FCZZ		AH	DX		C	Drive unit stay	ｸﾄﾞｳﾕﾆｯﾄﾚﾝｹﾂｽﾃｰ
18	XRESP70-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
19	CGERH1291FC01		AP	EQ		C	Gear(24P/58T)	24P/58T ｷﾞﾔ
20	CPLTM5521FC01		AR	EQ		C	DV drive plate	DV ｸﾄﾞｳﾄﾘﾂｹｲﾀ
21	RMOTP0877FCZZ		BG	GT		B	DV drivr motor	DV ｸﾄﾞｳﾓｰﾀｰ C
22	XHBSE40P08000		AA	DD		C	Screw(4×8)	ﾋﾞｽ
23	NBLTH0313FCZZ		AL	EB		B	Belt	ｹﾞﾝｿﾞｳﾚﾝｹﾂﾍﾞﾙﾄ C
24	NBLTH0314FCZZ		AK	DX		B	Belt	ｹﾞﾝｿﾞｳﾚﾝｹﾂﾍﾞﾙﾄ
25	LSTPP0279FCZZ		AB	DD		C	Stopper	ｽﾄｯﾊﾟｰ
26	LPFTF0102FCZZ		AC	DJ		C	Flange	ｹﾞﾝｿﾞｳﾌﾟｰﾘｰﾌﾗﾝｼﾞ
27	NPLYZ0351FCZZ		AD	DJ		C	Pulley	ｹﾞﾝｿﾞｳﾚﾝｹﾂﾌﾟｰﾘｰ
30	NBLTH0319FCZZ	1	AH	DX		B	Belt(up to 2002:1 ARC160)	DV ｸﾄﾞｳﾚﾝｹﾂﾍﾞﾙﾄ BK
	NBLTH0319FCZ1	1	AG	DX	N	B	Belt(from 2002:2 ARC160) [ARC160/270/280]	DV ｸﾄﾞｳﾚﾝｹﾂﾍﾞﾙﾄ BK
32	XBPSD40P10KS0		AA	DD		C	Screw(4×10KS)	ﾋﾞｽ
33	NFLY-0008FCZZ		AS	EQ		C	Fly wheel A	ﾌﾗｲﾎｲｰﾙ A
36	RMOTP0868FCZZ		BQ	LP		B	Main motor	ﾒｲﾝﾓｰﾀｰ
38	LPLTM5634FCZZ		AG	DX		C	Rear cabinet plate 2	ｳｼﾛｷｬﾋﾞﾄﾘﾂｹｲﾀ 2
39	LHLDZ1414FCZZ		AF	DS		C	Holder D	ﾎﾙﾀﾞｰ D
40	LHLDZ1397FCZZ		AF	DS		C	Holder C	ﾎﾙﾀﾞｰ C
41	LBSHC0124FCZZ		AA	DD		C	Edge protect bushing	ｴｯｼﾞﾎｺﾞﾌﾞｯｼﾝｸﾞ
42	XHBSD40P10000		AA	DD		C	Screw(4×10)	ﾋﾞｽ
43	NPLYZ0357FCZZ		AD	DJ		C	Developing drive pulley	ｹﾞﾝｿﾞｳｸﾄﾞｳﾌﾟｰﾘｰ
44	LPFTF0082FCZZ		AC	DJ		C	Flange 26P	ﾌﾗﾝｼﾞ 26P
45	LPiNS0096FCZZ		AB	DD		C	Pin(ϕ3-12)	ﾍｲｺｳﾋﾟﾝ
46	PHOG-1007HCZZ		AC	DD		C	Edge protecter	ｴｯｼﾞﾎｺﾞ
47	LBSHC0272FCZZ		AC	DD		C	Edge protecter	ｴｯｼﾞﾎｺﾞ
49	NROLP0896FCZZ		AC	DD		C	Transport roller	ﾊﾝｿｳｼﾞｭｳﾄﾞｳﾛｰﾗｰ
50	CPWBN1503FC51		BN	LE		E	Connector PWB	ｺﾈｸﾀｷﾊﾞﾝ
51	LPLTM5949FCZZ		AR	EQ		C	DRM PWB fixing plate	DRM ｷﾊﾞﾝﾄﾘﾂｹｲﾀ
52	LSUPP0122FCZZ		AC	DJ		C	PWB support	ｷﾊﾞﾝｻﾎﾟｰﾄ
53	LSUPP0123FCZZ		AC	DJ		C	PWB support	ｷﾊﾞﾝｻﾎﾟｰﾄ
54	LHLDW1504FCZZ		AC	DJ		C	Harness holder	ﾊｰﾈｽﾎﾙﾀﾞｰ
55	DHAi-3313FC11		AK	EB		C	PCU FFC A	PCU FFC A
56	DHAi-3314FC11		AK	DX		C	PCU FFC B	PCU FFC B
57	DHAi-3315FC11		AH	DX		C	PCU FFC C	PCU FFC C
58	DHAi-3310FC11		BD	GJ		C	DC harness [ARC160]	DC ﾊｰﾈｽ
	DHAi-3310FC12		BD	GJ	N	C	DC harness [ARC270/280]	DC ﾊｰﾈｽ
59	DHAi-3318FC11		BF	GN		C	AC parts harness	AC ﾊﾟｰﾂﾊｰﾈｽ
60	LHLDW1275FCZZ		AB	DJ		C	Cable holder	ｹｰﾌﾞﾙﾎﾙﾀﾞｰ
62	LBSHC0349FCZZ		AD	DJ		C	Edge protector	ｴｯｼﾞﾝｸﾞ

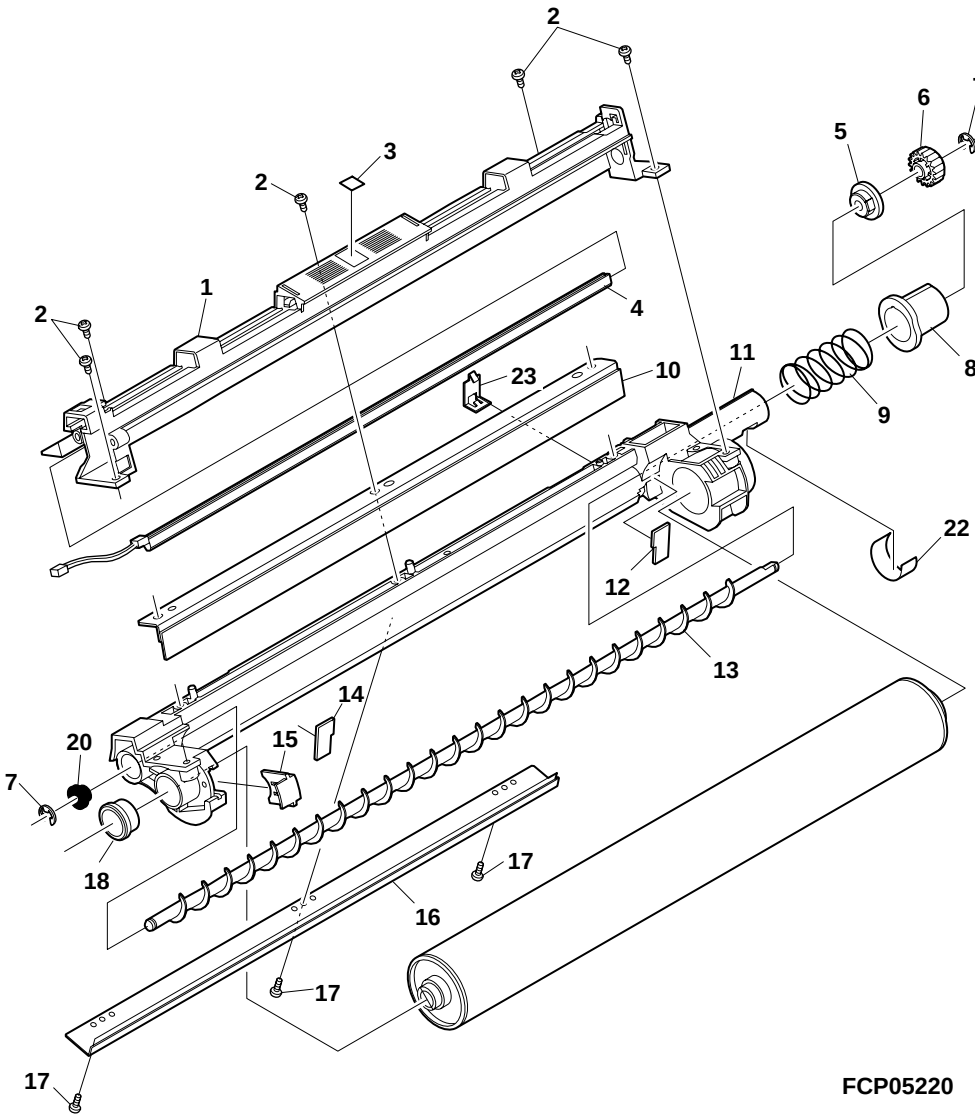
15 後ﾌﾚｰﾑ 2(Rear frame 2)



16 ﾄﾞﾗﾑﾕﾆｯﾄ (Drum unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	LFRM-1000FCZZ		AN	EG		C	MCR frame	MCR ﾌﾚｰﾑ
2	LX-BZ0858FCZZ		AA	DD		C	Screw	MCR ｺﾃｲﾋﾞｽ
3	PSHEP4643FCZZ		AC	DJ		C	Discrimination sheet Y	ｼｷﾍﾞﾂｼｰﾄ Y
	PSHEP4644FCZZ		AC	DJ		C	Discrimination sheet M	ｼｷﾍﾞﾂｼｰﾄ M
	PSHEP4645FCZZ		AC	DJ		C	Discrimination sheet C	ｼｷﾍﾞﾂｼｰﾄ C
	PSHEP4646FCZZ		AB	DJ		C	Discrimination sheet K	ｼｷﾍﾞﾂｼｰﾄ K
4	CPWBN1355FC31		AZ	FQ		E	DL PWB unit	DL PWB ﾕﾆｯﾄ
5	NBRGP0665FCZZ		AE	DJ		C	Cleaner transport bearing R	ｸﾘｰﾅｰﾊﾝｿｳｼﾞｸｳｹ R
6	NGERH1325FCZZ		AC	DJ		C	Transport drive gear 18	ｸﾘｰﾅｰﾊﾝｿｸﾄﾞｳｷﾞﾔ 18
7	XRESP40-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
8	PSHT-0086FCZZ		AD	DJ		C	Cleaner shutter	ｸﾘｰﾅｰｼｬｯﾀｰ
9	MSPRC2768FCZZ		AC	DJ		C	Shutter spring	ｼｬｯﾀｰｽﾌﾟﾘﾝｸﾞ
10	UCLEZ0156FCZ2		AU	EZ		C	CL blade	CL ﾌﾞﾚｰﾄﾞ
11	LFRM-0999FCZZ		AQ	EQ		C	DR frame	DR ﾌﾚｰﾑ
12	PSEL-0778FCZ1		AF	DS		C	Side seal R	ｻｲﾄﾞｼｰﾙ R
13	NSRW-0031FCZZ		AH	DX		C	Cleaner transport screw	ｸﾘｰﾅｰﾊﾝｿｳｽｸﾘｭｳ
14	PSEL-0777FCZ1		AF	DS		C	Side seal F	ｻｲﾄﾞｼｰﾙ F
15	LSTPP0348FCZZ		AD	DJ		C	Drum stopper	ﾄﾞﾗﾑｽﾄｯﾊﾟｰ
16	UCLEZ0157FCZZ		AN	EG		C	Toner seal blade	ﾄﾅｰｳｹｼｰﾙﾌﾞﾚｰﾄﾞ
17	XEBSD30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
18	NBRGP0608FCZZ		AF	DS		C	DR bearing	DR ﾍﾞｱﾘﾝｸﾞ F
20	NBRGP0664FCZZ		AD	DJ		C	Cleaner transport bearing F	ｸﾘｰﾅｰﾊﾝｿｳｼﾞｸｳｹ F
22	PSEL-0786FCZ1		AC	DJ		C	Pipe seal	ﾊﾟｲﾌﾟｼｰﾙ
23	MSPRP2777FCZZ		AD	DJ		C	CL earth spring	CL ｱｰｽｽﾌﾟﾘﾝｸﾞ

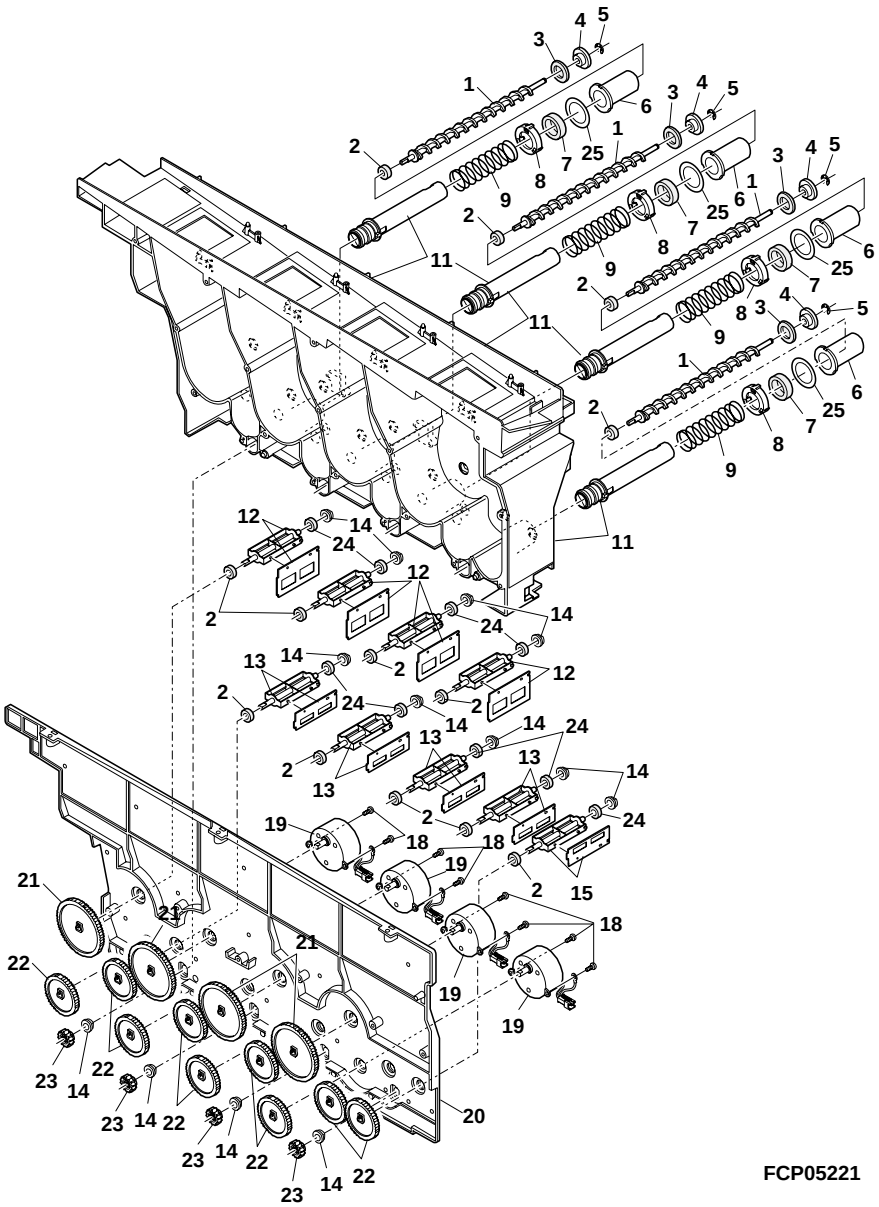
16 ﾄﾞﾗﾑﾕﾆｯﾄ (Drum unit)



17 ﾎｯﾊﾟｰﾕﾆｯﾄ 1(Hopper unit 1)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	NSRW-0030FCZZ		AF	DS		C	Toner transport screw	ﾄﾅｰﾊﾝｿｳｽｸﾘｭｳ
2	PMLT-1182FCZZ		AC	DJ		C	Toner cushion	ﾄﾅｰｼｰﾘﾝｸﾞﾓﾙﾄ
3	PMLT-1187FCZZ		AC	DJ		C	Pipe seal cushion F	ﾊﾟｲﾌﾟｼｰﾙﾓﾙﾄ F
4	NBRGP0663FCZZ		AE	DS		C	Bearing	ﾊﾟｲﾌﾟﾖｳｼﾞｸｳｹ
5	XRESP50-060000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
6	PSHT-0081FCZZ		AE	DJ		C	Pipe shutter	ﾊﾟｲﾌﾟｼｬｯﾀｰ
7	PMLT-1188FCZ1		AD	DJ		C	Pipe seal cushion R	ﾊﾟｲﾌﾟｼｰﾙﾓﾙﾄ R
8	PCOVP1505FCZZ		AC	DJ		C	Cushion cover	ﾓﾙﾄｶﾊﾞｰ
9	MSPRC2767FCZZ		AC	DJ		C	Shutter spring	ｼｬｯﾀｰｽﾌﾟﾘﾝｸﾞ
11	CBOX-0121FC61		BH	GX		E	Hopper box unit	ﾎｯﾊﾟｰﾎﾞｯｸｽﾕﾆｯﾄ
12	CANGT1401FC53		AH	DX		C	Stir angle unit A	ｶｸﾊﾝｱﾝｸﾞﾙﾕﾆｯﾄ A
13	CANGT1401FC54		AH	DX		C	Stir angle unit B	ｶｸﾊﾝｱﾝｸﾞﾙﾕﾆｯﾄ B
14	NBRGP0299FCZZ		AC	DJ		C	DV bearing(M5)	DV ｼﾞｸｳｹ
15	CANGT1403FC52		AH	DX		C	Stir angle unit C	ｶｸﾊﾝｱﾝｸﾞﾙﾕﾆｯﾄ C
18	XEBSF30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
19	RMOTD0853FCZZ		AY	FQ		B	HP motor	HP ﾓｰﾀｰ
20	PCOVP1496FCZZ		AY	FQ		C	Hopper box cover	ﾎｯﾊﾟｰﾎﾞｯｸｽｶﾊﾞｰ
21	NGERH1324FCZZ		AE	DS		C	Gear(64T)	ｷﾞﾔ 64T
22	NGERH1323FCZZ		AD	DJ		C	Gear(45T)	ｷﾞﾔ 45T
23	NGERH1322FCZZ		AC	DJ		C	Gear(14T)	ｷﾞﾔ 14T
24	PMLT-1235FCZZ		AC	DJ		C	Toner cushion	ﾄﾅｰｼｰﾘﾝｸﾞﾓﾙﾄ
25	PTPE-0258FCZZ		AC	DJ		C	Seal cushion tape	ｼｰﾙﾓﾙﾄﾃｰﾌﾟ
	(Unit)							
901	CBOX-0121FC53		BV	RB		E	Hopper unit A(Other countries)[include block 18 no,1~18]	ﾎｯﾊﾟｰﾕﾆｯﾄ A
	CBOX-0121FC54		BZ	TF		E	Hopper unit B(Japan,Germany,Europe,U.Kingdom,Australia, New Zealand)[include block 18 no,1~18]	ﾎｯﾊﾟｰﾕﾆｯﾄ B

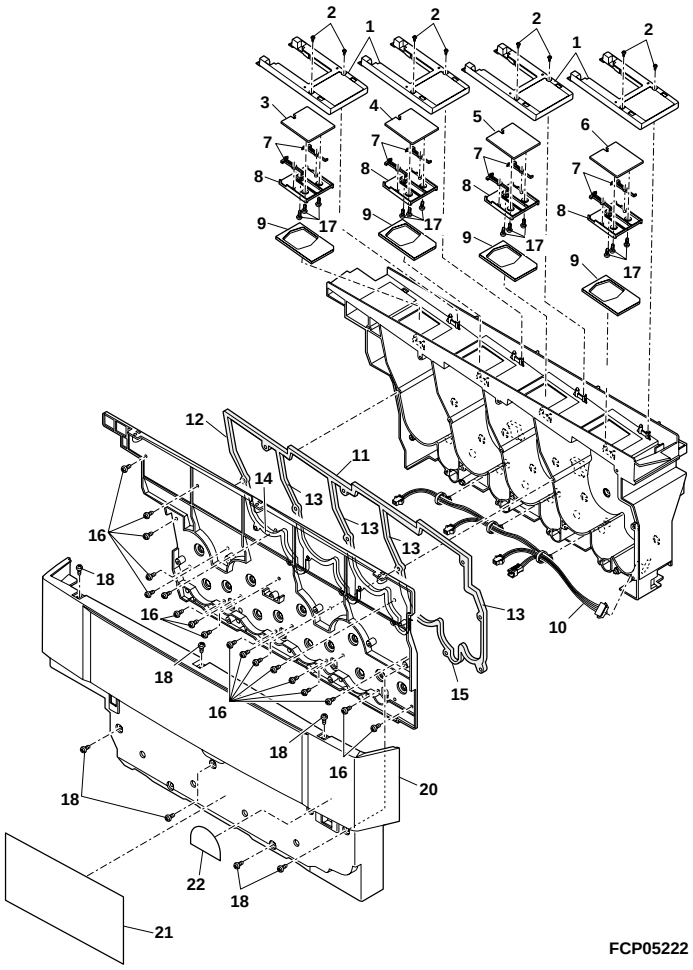
17 ﾎｯﾊﾟｰﾕﾆｯﾄ 1(Hopper unit 1)



18 ﾎｯﾊﾟｰﾕﾆｯﾄ 2(Hopper unit 2)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	PGiDM1863FCZZ		AG	DX		C	Shutter guide ｼｬｯﾀｰｶﾞｲﾄﾞ
2	XEBSF30P08000		AA	DD		C	Screw(3×8) ﾋﾞｽ
3	PSHT-0082FCZZ		AE	DJ		C	Shutter upper Y(Japan,Germany,Europe, U.Kingdom,Australia,New Zealand) ｼｬｯﾀｰｳｴ Y
	PSHT-0076FCZZ		AE	DJ		C	Shutter upper Y(Other countries) ｼｬｯﾀｰｳｴ Y A
4	PSHT-0083FCZZ		AE	DJ		C	Shutter upper M(Japan,Germany,Europe, U.Kingdom,Australia,New Zealand) ｼｬｯﾀｰｳｴ M
	PSHT-0077FCZZ		AE	DJ		C	Shutter upper M(Other countries) ｼｬｯﾀｰｳｴ M A
5	PSHT-0084FCZZ		AE	DJ		C	Shutter upper C(Japan,Germany,Europe, U.Kingdom,Australia,New Zealand) ｼｬｯﾀｰｳｴ C
	PSHT-0078FCZZ		AE	DJ		C	Shutter upper C(Other countries) ｼｬｯﾀｰｳｴ C A
6	PSHT-0085FCZZ		AE	DJ		C	Shutter upper BK(Japan,Germany,Europe, U.Kingdom,Australia,New Zealand) ｼｬｯﾀｰｳｴ BK
	PSHT-0079FCZZ		AE	DJ		C	Shutter upper BK(Other countries) ｼｬｯﾀｰｳｴ BK A
7	MARMP0151FCZZ		AB	DD		C	Lock arm ﾛｯｸｱｰﾑ
8	PSHT-0080FCZZ		AE	DJ		C	Shutter lower ｼｬｯﾀｰｼﾀ
9	PSEL-0775FCZZ		AD	DJ		C	Toner supply seal ﾎｷｭｳｸﾞﾁｼｰﾙ
10	DHAi-2992FC11		AQ	EQ		C	Toner hopper harness ﾄﾅｰﾎｯﾊﾟｰﾊｰﾈｽ
11	PSHEZ4650FCZ1		AH	DX		C	Toner shield sheet A ﾄﾅｰｼｰﾙﾄﾞｼｰﾄ A
12	PSHEZ4651FCZ1		AF	DS		C	Toner shield sheet B ﾄﾅｰｼｰﾙﾄﾞｼｰﾄ B
13	PSHEZ4652FCZ1		AE	DS		C	Toner shield sheet C ﾄﾅｰｼｰﾙﾄﾞｼｰﾄ C
14	PSHEZ4661FCZ1		AF	DS		C	Toner shield sheet D ﾄﾅｰｼｰﾙﾄﾞｼｰﾄ D
15	PSHEZ4662FCZ1		AG	DS		C	Toner shield sheet E ﾄﾅｰｼｰﾙﾄﾞｼｰﾄ E
16	XEBSD40P10000		AA	DD		C	Screw(4×10) ﾋﾞｽ
17	XEBSD30P05000		AA	DD		C	Screw(3×5) ﾋﾞｽ
18	XEBSD40P10000		AA	DD		C	Screw(4×10) ﾋﾞｽ
20	CCAB-0909FC37		BB	GD		E	Front exteriors upper(U.S.A only) [ARC160] ﾏｴｷｬﾋﾞﾈｯﾄ ｳｴ
	CCAB-0909FC36		BB	GD		E	Front exteriors upper(Other countries) [ARC160] ﾏｴｷｬﾋﾞﾈｯﾄ ｳｴ
	CCAB-0909FC39		BC	GJ	N	E	Front exteriors upper(U.S.A only) [ARC270] ﾏｴｷｬﾋﾞﾈｯﾄ ｳｴ
	CCAB-0909FC38		BC	GJ	N	E	Front exteriors upper(Other countries) [ARC270] ﾏｴｷｬﾋﾞﾈｯﾄ ｳｴ
	CCAB-0909FC40		BC	GJ	N	E	Front exteriors upper(Japan only) [ARC280] ﾏｴｷｬﾋﾞﾈｯﾄ ｳｴ
21	TCADZ1458FCZZ		AC	DJ		D	Inst. manual card ｾｯﾃﾁｼﾞｭﾝｼｮ
22	TLABZ4313FCZZ		AD	DJ		C	Enagy star label ｴﾅｼﾞｰｽﾀｰﾗﾍﾞﾙ
	(Unit)						
901	CBOX-0121FC53		BV	RB		E	Hopper unit A(Other countries)[include block 17,18 no,1~18] ﾎｯﾊﾟｰﾕﾆｯﾄ A
	CBOX-0121FC54		BZ	TF		E	Hopper unit B(Japan,Germany,Europe,U.Kingdom,Australia, New Zealand)[include block 17,18 no,1~18] ﾎｯﾊﾟｰﾕﾆｯﾄ B

18 ﾎｯﾊﾟｰﾕﾆｯﾄ 2(Hopper unit 2)



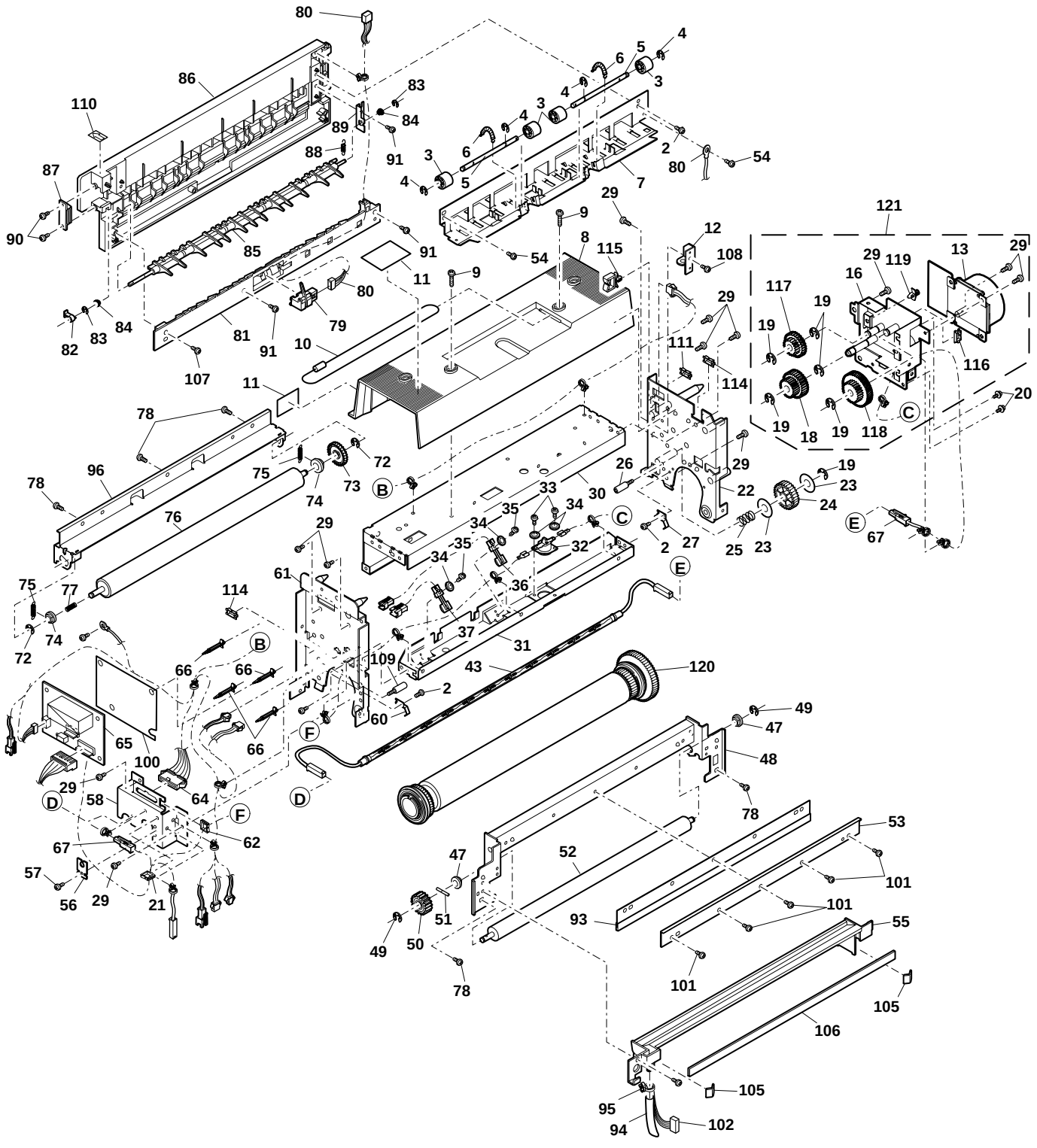
19 定着ﾕﾆｯﾄ 1(Fusing unit 1)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
2	XHBSD30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
3	NROLP1060FCZZ		AF	DS		C	U-turn roller	U ﾀｰﾝﾛｰﾗｰ
4	XRESP30-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
5	NSFTZ2568FCZ1		AH	DX		C	Guide roller shaft	ｶﾞｲﾄﾞﾛｰﾗｼｬﾌﾄ
6	MSPRT2816FCZZ		AC	DJ		C	Guide roller spring A	ｶﾞｲﾄﾞﾛｰﾗｽﾌﾟﾘﾝｸﾞ A
7	LPLTM5774FCZ1		AK	DX		C	Upper delivery guide plate	ｳｴﾊｲｼｶﾞｲﾄﾞｲﾀ
8	PCOVP1486FCZ3	1	AY	FQ		C	Fusing upper cover(up to 2001:10 ARC160)	ﾃｲﾁｬｸｳｴｶﾊﾞｰ
	PCOVP1486FCZ4	1	AY	FQ		C	Fusing upper cover(from 2001:11 ARC160) [ARC160/270/280]	ﾃｲﾁｬｸｳｴｶﾊﾞｰ
9	XHBSD40P20000		AA	DD		C	Screw(4×20)	ﾋﾞｽ
10	PWiR-0197FCZZ		AM	EG		C	Fusing handle wire	ﾃｲﾁｬｸﾊﾝﾄﾞﾙﾜｲﾔｰ
11	TCAUH1035FCZZ		AC	DJ		D	HT caution label	ｺｳｵﾝﾁｭｳｲﾗﾍﾞﾙ
12	MHNG-0206FCZZ		AD	DJ		C	Hinge	ｼﾃﾝﾋﾝｼﾞ
13	RMOTP0868FCZZ		BQ	LP		B	Fusing drive motor	ﾃｲﾁｬｸｸﾄﾞｳﾓｰﾀｰ
16	CPLTM5952FC01		AN	EG		C	Fusing motor plate	ﾃｲﾁｬｸﾓｰﾀｰﾄﾘﾂｹｲﾀ
18	NGERH1390FCZZ		AF	DS		C	Gear(25/31T)	25/31 ｷﾞﾔ
19	XRESP70-08000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
20	XBPSD40P08KS0		AA	DD		C	Screw(4×8KS)	ﾋﾞｽ
21	LHLDW2047SCZZ		AA	DD		C	Cable holder(WS-1NS)	ｹｰﾌﾞﾙﾎﾙﾀﾞｰ
22	CFRM-1028FC02		AN	EG		C	Fusing upper frame R	ﾃｲﾁｬｸﾌﾚｰﾑ R
23	PSHEP2348FCZZ		AB	DD		C	Flange sheet DL	ﾌﾗﾝｼﾞﾏｲﾗｰ DL
24	NGERH1251FCZZ		AD	DJ		C	Fusing idle gear(27T)	ﾃｲﾁｬｸｱｲﾄﾞﾙｷﾞﾔ
25	MSPRC2741FCZZ		AC	DJ		C	Spring	30T ｷﾞﾔﾎﾞｽｽﾌﾟﾘﾝｸﾞ
26	LX-BZ0882FCZZ		AD	DD		C	Screw	ｲﾁｷﾒﾋﾞｽ
27	LFiX-0441FCZZ		AB	DD		C	Fusing holder	ﾃｲﾁｬｸｵｻｴ
29	XHBSD40P06000		AA	DD		C	Screw(4×6)	ﾋﾞｽ
30	LSTYM0238FCZZ		AN	EG		C	Fusing upper frame stay	ﾃｲﾁｬｸｳｴﾌﾚｰﾑｽﾃｰ
31	LPLTM5557FCZ2		AK	DX		C	Thermostat fixing plate	ｻｰﾓｽﾀｯﾄﾄﾘﾂｹｲﾀ
32	RTHM-0022FCZZ		AN	EG		B	Thermostat(Japan only)	ｻｰﾓｽﾀｯﾄ
	CTHM-0011FC01		AK	EB		B	Thermostat(Except Japan)	ｻｰﾓｽﾀｯﾄ
33	XHBSD30P05000		AA	DD		C	Screw(3×5)	ﾋﾞｽ
34	XWHSD30-05080		AA	DD		C	Washer	ﾜｯｼｬ
35	XHBSD30P10000		AA	DD		C	Screw(3×10)	ﾋﾞｽ
36	RDTCT0138FCZ1		AR	EQ		B	Thermistor BR	ｻｰﾐｽﾀｰ BR
37	RDTCT0143FCZ1	1	AR	EQ		B	Detector thermistor(up to 2001:6 ARC160)	ｹﾝﾁｻｰﾐｽﾀｰ
	RDTCT0143FCZ2	1	AR	EQ		B	Detector thermistor(from 2001:7 ARC160) [ARC160/270/280]	ｹﾝﾁｻｰﾐｽﾀｰ
43	RLMPU0636FCZ1		BA	FX		B	Upper heater lamp 100(Japan)	ｳｴﾋｰﾀｰﾗﾝﾌﾟ 100
	RLMPU0650FCZ2		BA	FX		B	Upper heater lamp 120(120V)	ｳｴﾋｰﾀｰﾗﾝﾌﾟ 120
	RLMPU0648FCZ2		BA	FX		B	Upper heater lamp 230(230V)	ｳｴﾋｰﾀｰﾗﾝﾌﾟ 230
47	NBRGP0084GCZ1		AF	DS		C	Application roller bearing	ﾄﾌﾛｰﾗｰｼﾞｸｳｹ
48	CPLTM5651FC02		AS	EQ		C	Application roller plate	ﾄﾌﾚﾝｹﾂﾊﾞﾝ
49	XRESP50-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
50	NGERH1455FCZZ		AH	DX		C	Application roller gear	ﾄﾌﾛｰﾗｰｷﾞﾔ B
51	LPiNS0096FCZZ		AB	DD		C	Pin(ϕ3-12)	ﾍｲｺｳﾋﾟﾝ
52	NROLR1258FCZ1		BC	GD		C	Application roller	ﾄﾌﾛｰﾗｰ BR
53	LPLTM5560FCZZ		AG	DX		C	Blade fixing plate	ﾄﾌﾌﾟﾚｰﾄﾞﾄﾘﾂｹｲﾀ
54	XHBSD30P04000		AA	DD		C	Screw(3×4)	ﾋﾞｽ
55	PSRA-0042FCZZ		AU	EZ		C	Oil pan	ｵｲﾙﾊﾟﾝ
56	LHLDZ1399FCZZ		AC	DJ		C	Upper lamp holder F	ｳｴﾗﾝﾌﾟﾎﾙﾀﾞｰ F
57	XHBS230P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
58	PGiDH1844FCZ3		AE	DS		C	Harness guide plate	ﾊｰﾈｽｶﾞｲﾄﾞｲﾀ
60	LFiX-0442FCZZ		AB	DD		C	Bearing hold spring F	ｼﾞｸｳｹｵｻｴｲﾀｽﾌﾟﾘﾝｸﾞ F
61	CFRM-1027FC01		AL	EB		C	Fusing upper frame F	ﾃｲﾁｬｸｳｴﾌﾚｰﾑ F
62	LHLDW1263FCZZ		AC	DJ		C	Wire holder(EDS0607M)	ﾜｲﾔｰｻﾄﾞﾙ
64	DHAi-3327FCZZ		AY	FQ		C	Fusing harness	ﾃｲﾁｬｸﾊｰﾈｽ
65	CPWBF1333FC51		BE	GN		E	AC sub PWB unit 100(100V series)	AC ｻﾌﾞ PWB ﾕﾆｯﾄ 100
	CPWBF1334FC51		BF	GN		E	AC sub PWB unit 200(200V series)	AC ｻﾌﾞ PWB ﾕﾆｯﾄ 200
66	LSUPP0112FCZZ		AC	DJ		C	Supporter	ｻﾎﾟｰﾀｰ
67	DHAi-3328FCZZ		AG	DX		C	HL harness	HL ﾊｰﾈｽ
72	PRNGP0083FCZZ		AA	DJ		C	Stop ring 21	ｽﾄｯﾌﾟﾘﾝｸﾞ 21
73	NGERH1304FCZZ		AH	DX		C	CL gear 27T	CL ｷﾞﾔ 27T
74	NBRGC0100FCZ1		AC	DJ		C	Bearing 6	ﾍﾞｱﾘﾝｸﾞ 6
75	MSPRT2799FCZZ		AD	DJ		C	Upper CL spring	ｳｴ CL ｽﾌﾟﾘﾝｸﾞ
76	NROLN1249FCZZ	1	BC	GJ		C	Upper CL roller(up to 2001:7 ARC160)	ｳｴ CL ﾛｰﾗｰ
	NROLN1249FCZ1	1	BC	GD		C	Upper CL roller(from 2001:8 ARC160) [ARC160/270/280]	ｳｴ CL ﾛｰﾗｰ
77	MSPRC1416FCZZ		AA	DD		C	Bearing fixing spring A	ｼﾞｸｳｹｵｻｴｽﾌﾟﾘﾝｸﾞ A
78	XHBS240P08000		AB	DD		C	Screw(4×8)	ﾋﾞｽ
79	QSW-Z0523FCZZ		AQ	EQ		C	Reversing detector sensor	ﾊﾝﾃﾝｹﾝﾁｾﾝｻｰ
80	DHAi-3187FCZZ		AK	DX		C	DPID interface harness	DPID ﾁｭｳｹｲﾊ - ﾈｽ
81	LPLTP5591FCZZ		AL	EB		C	Lower delivery sensor fixing plate	ｼﾀﾊｲｼｾﾝｻｰﾄﾘｯｹｲﾀ
82	MARMP0255FCZZ		AC	DJ		C	ADU gate arm	ADU ｹﾞｰﾄｱｰﾑ
83	XRESP30-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
84	NBRGC0150FCZZ		AD	DJ		C	Bearing(B-F4-10)	ｸﾘｰﾅｰｼﾞｸｳｹ
85	PGiDM1857FCZ1		AT	EZ		C	ADU gate	ADU ｹﾞｰﾄ
86	PGiDM1856FCZ1		AU	EZ		C	Delivery transport guide	ﾊｲｼﾊﾝｿｳｶﾞｲﾄﾞ
87	PMAGT0015FCZZ		AD	DJ		C	Magnet catch(10P)	ﾏｸﾞﾈｯﾄｷｬｯﾁ
88	MSPRC2749FCZ1		AC	DJ		C	ADU gate spring	ADU ｹﾞｰﾄｽﾌﾟﾘﾝｸﾞ
89	LSTYM0239FCZZ		AD	DJ		C	Gate support plate	ｹﾞｰﾄﾎｼﾞｲﾀ
90	XEBSD30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
91	XEBSD40P08000		AA	DD		C	Screw(4×8)	ﾋﾞｽ
93	UCLEZ0155FCZ1		BB	GD		C	Application blade	ﾄﾌﾌﾟﾚｰﾄﾞ

19 定着ﾕﾆｯﾄ 1(Fusing unit 1)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
94	PTUBR0130FCZZ		AK	DX		C	Oil tube R	ｵｲﾙﾁｭｰﾌﾞ R
95	LBNDJ0013FCZ1		AA	DJ		C	Wire band	ﾜｲﾔｰﾊﾞﾝﾄﾞ
96	LPLTM5771FCZZ		AH	DX		C	Upper CL roller fixing plate	ｳｴ CL ﾄﾘﾂｹｲﾀ
100	PSHEZ4795FCZZ		AF	DS		C	Separate sheet	ﾌﾞﾝﾘｼｰﾄ
101	LX-BZ0334FCZZ		AA	DD		C	Screw(4×8KS)(Blue)	ﾋﾞｽ
102	DHAi-3095FCZZ		AE	DJ		C	FOP interface harness	FOP ﾁｭｳｹｲﾊﾈｰｽ
105	PFLT-0062FCZZ		AD	DJ		C	Oil Felt	ｵｲﾙﾎﾞｳｷﾞｮﾌｪﾙﾄ
106	PFLT-0063FCZZ		AE	DJ		C	Oil Felt	ｵｲﾙﾎﾞｳｷﾞｮﾌｪﾙﾄ
107	LX-BZ0911FCZZ		AC	DD		C	Screw	ﾋﾞｽ
108	XHBS240P06000		AA	DD		C	Screw(4×6)	ﾋﾞｽ
109	LX-BZ0900FCZZ		AC	DD		C	Screw	ﾋﾞｽ
110	TLABZ4408FCZZ		AC	DJ		C	Green arrow label(200V series)	ｸﾞﾘｰﾝﾔｼﾞﾙｼﾗﾍﾞﾙ
111	LBSHC0353FCZZ		AC	DJ		C	Edge holder	ｴｯｼﾞﾎﾙﾀﾞｰ
114	LHLDW0595FCZZ		AC	DD		C	Wire saddle	ﾜｲﾔｰｻﾄﾞﾙ
115	LHLDW1009ACZZ		AA	DD		C	Mini clamp	ﾐﾆｸﾗﾝﾌﾟ
116	LHLDW1013FCZZ		AB	DD		C	Cable holder	ｹｰﾌﾞﾙﾎﾙﾀﾞｰ
117	NGERH1292FCZZ		AD	DJ		C	Gear(18/28T)	ｷﾞﾔ 18/28T
118	NGERH1463FCZZ		AF	DS		C	Drive gear(55T/25T)	駆動ｷﾞﾔ
119	LSUPP0113FCZZ		AC	DJ		C	Supporter	ｻﾎﾟｰﾀｰ
120	CRÖLM1365FC31	3	BV	RB		E	Upper heat roller unit(up to 2001:10 ARC160)	上ﾋｰﾄﾛｰﾗﾕﾆｯﾄ
	CRÖLM1365FC33	3	BV	RB		E	Upper heat roller unit(from 2001:11 ARC160)[ARC160/270/280]	上ﾋｰﾄﾛｰﾗﾕﾆｯﾄ
121	CPLTM5952FC51		BN	HZ		C	Fusing motor unit	ﾃｲﾁﾔｸﾓｰﾀｰﾕﾆｯﾄ

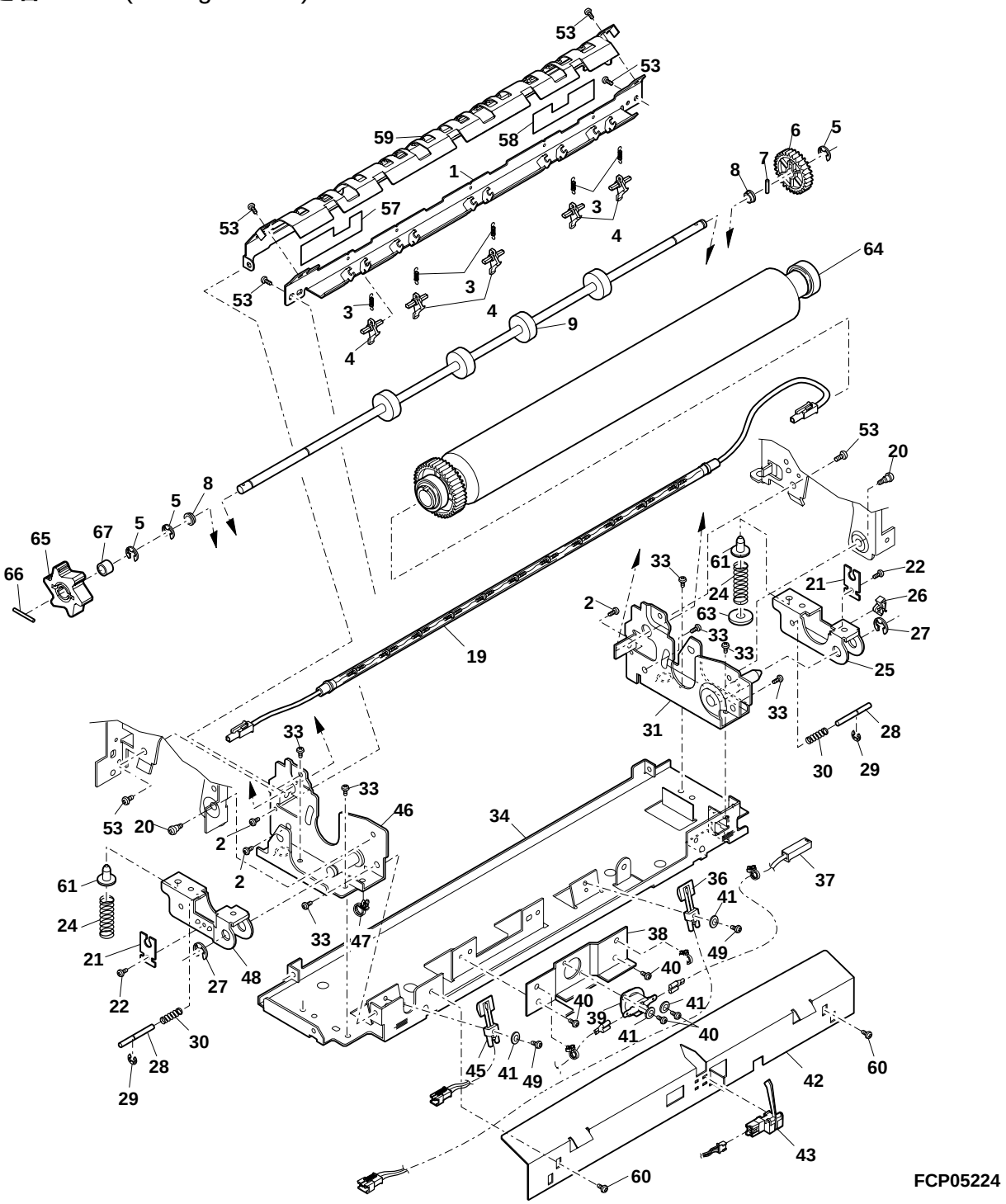
19 定着ユニット 1(Fusing unit 1)



20 定着ユニット 2(Fusing unit 2)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	LPLTM5773FCZZ		AG	DX		C	Lower pawl fixing plate	ｼﾀﾂﾒﾄﾘﾂﾂｹｲﾀ
2	XHBS240P06000		AA	DD		C	Screw(4×6)	ﾋﾞｽ
3	MSPRT2873FCZZ		AB	DJ		C	Separator pawl spring	ﾊｸﾘﾂﾒｽﾌﾟﾘﾝｸﾞ
4	PTME-0276FCZ1		AK	EB		C	Separator pawl	ﾊｸﾘﾂﾒ
5	XRESP50-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
6	NGERH1306FCZZ		AD	DJ		C	Gear(29T)	29T ｷﾞﾔ
7	LPiNS0133FCZZ		AA	DD		C	Pin(φ2-10)	ﾍｲｺｳﾋﾟﾝ
8	NBRGC0188FCZZ		AB	DD		C	Bearing	ｼﾞｸｳｹ
9	NROLR1371FCZZ		AQ	EQ		C	Fusing delivery roller	ﾃｲﾁｬｸﾊｲｼﾛｰﾗｰｼﾀ
⚠	RLMPU0637FCZ1		BA	FX		B	Lower heater lamp 100(Japan,Taiwan)	ｼﾀﾋｰﾀｰﾗﾝﾌﾟ 100
⚠ 19	RLMPU0651FCZ1		BA	FX		B	Lower heater lamp 120(120V)	ｼﾀﾋｰﾀｰﾗﾝﾌﾟ 120
⚠	RLMPU0649FCZ1		BA	FX		B	Lower heater lamp 230(230V)	ｼﾀﾋｰﾀｰﾗﾝﾌﾟ 230
20	LX-BZ0736FCZZ		AB	DD		C	Screw	ﾋﾞｽ
21	LHLDZ1399FCZZ		AC	DJ		C	Upper lamp holder F	ｳｴﾗﾝﾌﾟﾎﾙﾀﾞｰ F
22	XHBS230P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
24	MSPRC2833FCZ1		AF	DJ		C	Pressure spring	ｶｱﾂｽﾌﾟﾘﾝｸﾞ
25	MLEVF0802FCZ1		AE	DS		C	Pressure lever R	ｶｱﾂﾚﾊﾞｰ R
26	LHLDW1013FCZZ		AB	DD		C	Cable holder	ｹｰﾌﾞﾙﾎﾙﾀﾞｰ
27	XRESP70-08000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
28	NSFTZ2567FCZZ		AD	DJ		C	Pressure shaft	ｶｱﾂｱﾂｾﾂｼﾞｸ
29	XRESP30-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
30	MSPRC2872FCZZ		AC	DJ		C	Pressure spring	ｶｱﾂｱﾂｾﾂｽﾌﾟﾘﾝｸﾞ
31	CFRM-1030FC01		AL	EB		C	Fusing lower frame R	ﾃｲﾁｬｸｼﾀﾌﾚｰﾑ RA
33	XHBSD40P06000		AA	DD		C	Screw(4×6)	ﾋﾞｽ
34	LPLTM5772FCZ1		AM	EG		C	Fusing plate	ﾃｲﾁｬｸｼﾀﾚﾝｹﾂｲﾀ
36	RDTCT0138FCZ1		AR	EQ		B	Thermistor BR	ｻｰﾐｽﾀｰ BR
37	DHAi-3188FCZZ		AG	DX		C	Lower HL harness	ｼﾀ HL ﾊｰﾈｽ
38	LPLTM5563FCZ1		AF	DS		C	Lower thermostat fixing plate	ｼﾀｻｰﾓｽﾀｯﾄﾄﾘﾂﾂｹｲﾀ
39	RTHM-0021FCZZ		AN	EG		B	Thermostat	ｻｰﾓｽﾀｯﾄ J
40	XHBSD30P04000		AA	DD		C	Screw(3×4)	ﾋﾞｽ
41	XWHSD30-05080		AA	DD		C	Washer	ﾜｯｼｬ
42	PGiDH1902FCZZ		AG	DX		C	Fusing front guide	ﾃｲﾁｬｸﾏｴｶﾞｲﾄﾞ
43	CSW-Z0507FC01		AR	EQ		B	Detector sensor	ﾆｭｳｼｹﾝﾁｾﾝｻｰ
45	RDTCT0143FCZ1	1	AR	EQ		B	Detector thermistor(up to 2001:6 ARC160)	ｹﾝﾁｻｰﾐｽﾀｰ
	RDTCT0143FCZ2	1	AR	EQ		B	Detector thermistor(from 2001:7 ARC160) [ARC160/270/280]	ｹﾝﾁｻｰﾐｽﾀｰ
46	CFRM-1029FC01		AL	EB		C	Fusing lower frame F	ﾃｲﾁｬｸｼﾀﾌﾚｰﾑ F
47	LBNDJ0013FCZ1		AA	DJ		C	Wire band	ﾜｲﾔｰﾊﾞﾝﾄﾞ
48	MLEVF0801FCZ1		AE	DS		C	Pressure lever F	ｶｱﾂﾚﾊﾞｰ F
49	XHBSD30P10000		AA	DD		C	Screw(3×10)	ﾋﾞｽ
53	XHBS240P08000		AB	DD		C	Screw(4×8)	ﾋﾞｽ
57	PSHEP4854FCZZ		AD	DJ		C	Fusing delivery sheet F	ﾃｲﾁｬｸﾊｲｼｼｰﾄ F
58	PSHEP4855FCZZ		AD	DJ		C	Fusing delivery sheet R	ﾃｲﾁｬｸﾊｲｼｼｰﾄ R
59	PGiDH1903FCZ1		AN	EG		C	Fusing delivery paper guide	ﾃｲﾁｬｸﾊｲｼｶﾞｲﾄﾞ
60	XHBS240P08000		AB	DD		C	Screw(4×8)	ﾋﾞｽ
61	LX-BZ0924FCZZ		AD	DJ		C	Screw	ﾋﾞｽ
63	LX-WZ0439FCZZ		AB	DD		C	Washer(t=0.8)	ﾜｯｼｬ
64	CROLM1366FC31		BR	LX		E	Lower heat roller	ｼﾀﾋｰﾄﾛｰﾗｰ
65	JKNBZ0139FCZ1		AD	DJ		C	PS nob	PS ﾉﾌﾞ
66	LPiNS0325FCZZ		AB	DJ		C	SP pin	SP ﾋﾟﾝ
67	NBRGC0456FCZZ		AB	DD		C	Bearing	ﾍﾞｱﾘﾝｸﾞ

20 定着ﾕﾆｯﾄ 2(Fusing unit 2)



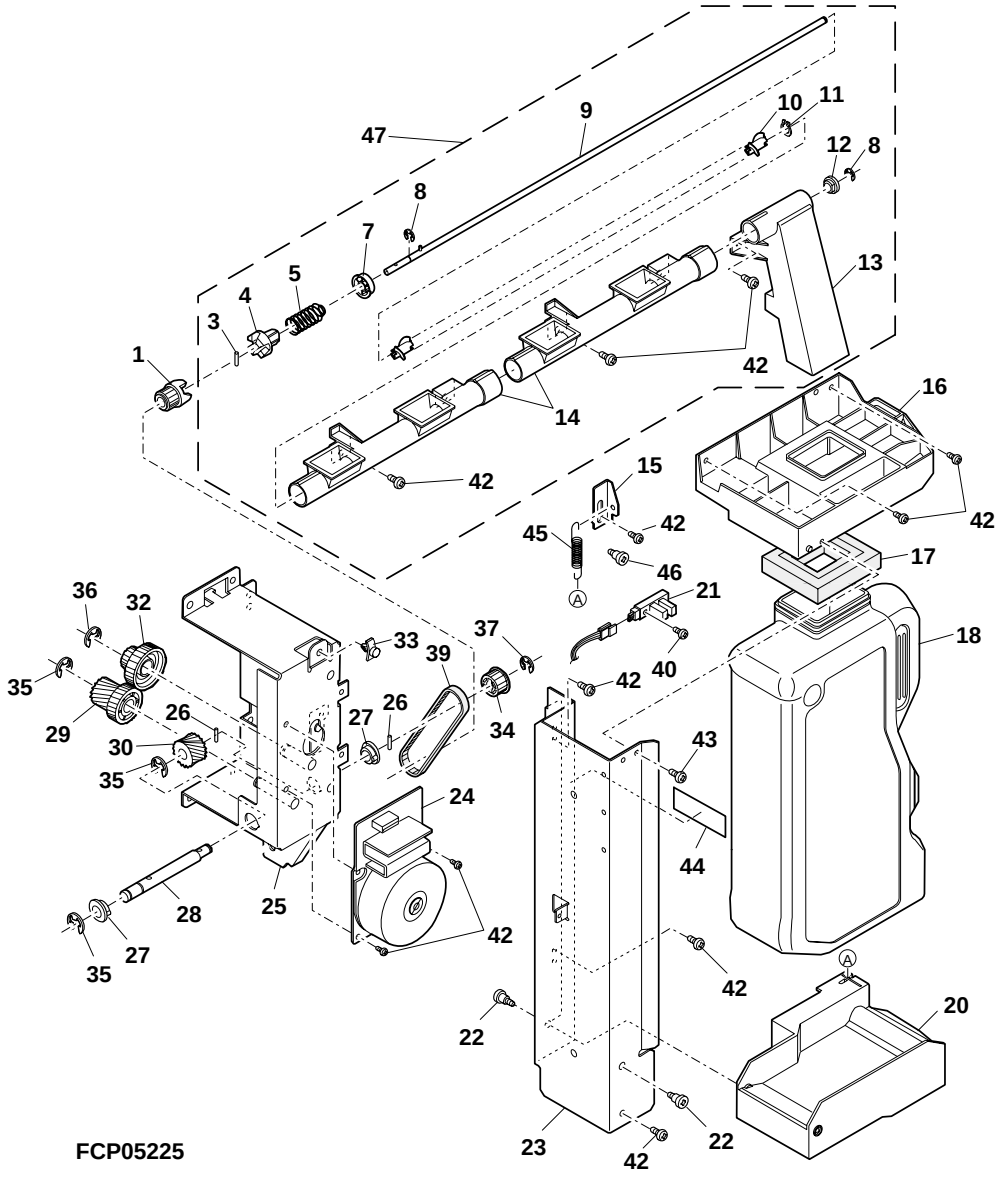
21 廃ﾄﾅｰ搬送ﾕﾆｯﾄ etc.(Waste toner transport unit etc.)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	NPLYZ0358FCZZ		AD	DJ		C	Waste toner pulley	ﾊｲﾄﾅｰｸﾄﾞｳﾚﾝｹﾂﾌﾟｰﾘｰ
3	LPiNS0165FCZZ		AB	DD		C	Pin(φ2-8)	ﾍｲｺｳﾋﾟﾝ
4	NCPL−0055FCZZ		AC	DJ		C	Waste toner transport coupling	ﾊｲﾄﾅｰﾊﾝｿｳｶｯﾌﾟﾘﾝｸﾞ
5	MSPRC2785FCZ1		AD	DJ		C	Coupling spring	ｶﾂﾌﾟﾘﾝｸﾞｽﾌﾟﾘﾝｸﾞ
7	NBRGP0321FCZZ		AD	DJ		C	Bearing	ｼﾞｸｳｹ
8	XRESP40−06000		AA	DD		C	E type ring	Eﾘﾝｸﾞ
9	NSFTZ2514FCZ1		AG	DX		C	Waste toner screw shaft	ﾊｲﾄﾅｰｽｸﾘｭｳｼｬﾌﾄ
10	NSRW−0026FCZZ		AC	DJ		C	Toner screw	ﾄﾅｰｽｸﾘｭｰ
11	PRNGP0025FCZZ		AA	DD		C	G type ring(GTW-5)	Gﾘﾝｸﾞ
12	NBRGP0322FCZZ		AC	DD		C	Bearing MX	ﾍﾞｱﾘﾝｸﾞ MX
13	LHLDZ1390FCZZ		AN	EG		C	Waste toner holder	ﾊｲﾄﾅｰﾎﾙﾀﾞｰ
14	MJNTP0021FCZZ		AN	EG		C	Waste toner joint C	ﾊｲﾄﾅｰｼﾞｮｲﾝﾄC
15	LPLTM5394FCZZ		AD	DJ		C	SP plate	SPﾁｮｳｾｲﾊﾞﾝ
16	PGiDM1852FCZZ		AM	EG		C	Waste toner guide	ﾊｲﾄﾅｰｶﾞｲﾄﾞ
17	PMLT−1173FCZ1		AF	DS		C	Waste toner cushion	ﾊｲﾄﾅｰﾓﾙﾄ

21 廃ﾄﾅｰ搬送ﾕﾆｯﾄ etc.(Waste toner transport unit etc.)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
18	UYOK-0054FCZZ		AR	EQ		C	Waste toner bottle	ﾊｲﾄﾅｰﾎﾞﾄﾙ
20	LDAiU0590FCZ1		AN	EQ		C	Waste toner bottle base	ﾊｲﾄﾅｰﾎﾞﾄﾙｼｼﾞﾀﾞｲ
21	VHPGP1A22LC-1		AK	EB		B	Photo sensor(GP1A22LC)	ﾌｫﾄｾﾝｻｰ
22	LX-BZ0773FCZZ		AH	DX		C	Screw	ﾋﾞｽ
23	LFRM-0981FCZZ		AP	EQ		C	Waste bottle frame	ﾊｲﾄﾅｰﾎﾞﾄﾙﾌﾚｰﾑ
24	RMOTP0868FCZZ		BQ	LP		B	Delivery motor	搬送ﾓｰﾀｰ
25	CPLTM5520FC02		AU	EZ		C	DV drive plate	DV ｸﾄﾞｳﾄﾘﾂｹｲﾀ
26	LPiNS0075FCZZ		AB	DD		C	Pin(φ3-10)	ﾍﾝｺｳﾋﾟﾝ
27	NBRGC0504FCZZ		AC	DJ		C	PF bearing(F8×12×5 16X)	PF ﾍﾞｱﾘﾝｸﾞ
28	NSFTZ2542FCZZ		AG	DX		C	Waste toner drive shaft	ﾊｲﾄﾅｰｸﾄﾞｳｼｬﾌﾄ
29	CGERH1487FC01		AN	EQ		C	Gear	ｷﾞﾔ
30	NGERH0689FCZZ		AF	DS		C	Gear 18T	ﾊｲﾄﾅｰｼﾞｭｳﾄﾞｳｷﾞﾔ 18T
32	CGERH1486FC01		AG	DS		C	Gear	ｷﾞﾔ
33	LSUPP0114FCZZ		AC	DJ		C	Supporter	ｻﾎﾟｰﾀｰ
34	NPLYZ0254FCZZ		AD	DJ		C	Drive pulley(MXL24T)	ｸﾄﾞｳﾌﾟｰﾘｰ
35	XRESP70-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
36	XRESP60-08000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
37	XRESP50-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
39	NBLTH0321FCZZ		AG	DX		B	Waste toner drive belt	ﾊｲﾄﾅｰｸﾄﾞｳﾍﾞﾙﾄ
40	XEBSD40P14000		AA	DD		C	Screw(4×14)	ﾋﾞｽ
42	XEBSD40P08000		AA	DD		C	Screw(4×8)	ﾋﾞｽ
43	XEBSD40P10000		AA	DD		C	Screw(4×10)	ﾋﾞｽ
44	PSHEZ4665FCZZ		AC	DJ		C	Bottle frame sheet	ﾎﾞﾄﾙﾌﾚｰﾑｼｰﾄ
45	MSPRC2719FCZZ		AD	DJ		C	Waste toner detect spring	ﾊｲﾄﾅｰｹﾝﾁｽﾌﾟﾘﾝｸﾞ
46	LX-BZ0899FCZZ		AC	DD		C	Screw	ﾋﾞｽ
47	CHLDZ1390FC31		BB	GD		E	Waste toner transport unit	ﾊｲﾄﾅｰﾊﾝｿｳﾕﾆｯﾄ

21 廃ﾄﾅｰ搬送ﾕﾆｯﾄ etc.(Waste toner transport unit etc.)

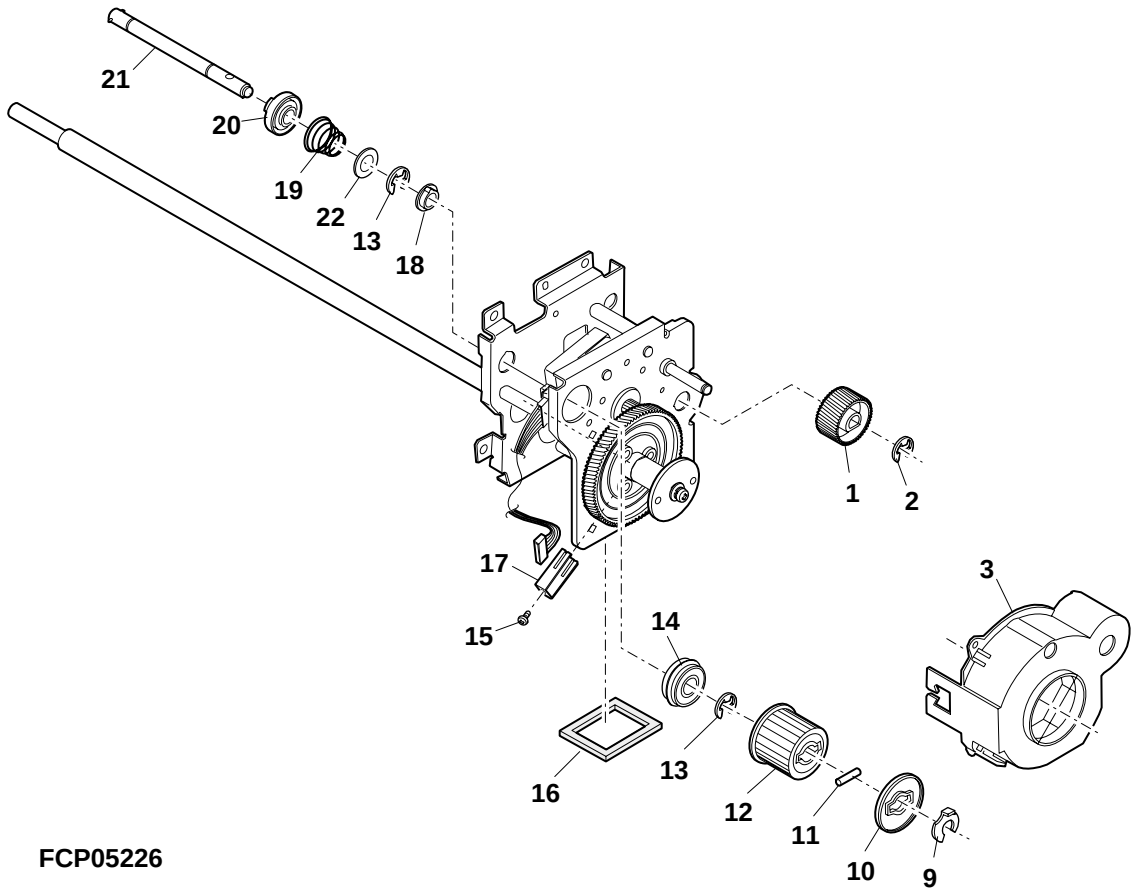


FCP05225

22 ﾄﾞﾗﾑ駆動ﾕﾆｯﾄ (Drum drive unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	NGERH1287FCZZ		AD	DJ		C	Cleaner joint gear H48	ｸﾘｰﾅﾚﾝｹﾂｷﾞﾔ H48
2	XRESP60-08000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
3	PCOVP1482FCZZ		AF	DS		C	Gear cover	ｷﾞﾔｶﾊﾞｰ
9	LSTPP0279FCZZ		AB	DD		C	Stopper	ｽﾄｯﾊﾟｰ
10	LPFTF0082FCZZ		AC	DJ		C	Flange 26P	ﾌﾗﾝｼﾞ 26P
11	LPiNS0096FCZZ		AB	DD		C	Pin(φ3-12)	ﾍｲｺｳﾋﾟﾝ
12	NPLYZ0357FCZZ		AD	DJ		C	Developing drive pulley	ｹﾞﾝｿﾞｳｸﾄﾞｳﾌﾟｰﾘｰ
13	XRESP70-08000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
14	NBRGY0131FCZZ		AM	EG		C	Bearing(with M22 E ring)	ﾍﾞｱﾘﾝｸﾞ
15	XBBSD30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
16	PMLT-1172FCZZ		AC	DJ		C	Waste toner joint cushion	ﾊｲﾄﾅｰｼﾞｮｲﾝﾄﾓﾙﾄ
17	MSPRP2773FCZZ		AC	DJ		C	Drive shaft earth	ｸﾄﾞｳｼﾞｸｱｰｽ
18	NBRGC0504FCZZ		AC	DJ		C	PF bearing(F8×12×5 16X)	PF ﾍﾞｱﾘﾝｸﾞ
19	MSPRC2718FCZZ		AC	DJ		C	Developing pressure spring	ｹﾞﾝｿﾞｳｷﾞﾔｱﾂｾﾂｽﾌﾟﾘﾝｸﾞ
20	NCPL-0038FCZ1		AD	DJ		C	Developing joint coupling	ｹﾞﾝｿﾞｳﾚﾝｹﾂｽﾌﾟﾘﾝｸﾞ
21	CSFTZ2509FC01		AL	EB		C	DV joint shaft	DV ﾚﾝｹﾂｼｬﾌﾄ
22	LX-WZ0017FCZZ		AA	DD		C	Washer	ﾜｯｼｬ
	(Unit)							
901	CFRM-0976FC33	3	BN	LE		E	Drum drive unit(Y,BK)(Except No.16) (up to 2001:7 ARC160)	ﾄﾞﾗﾑｸﾄﾞｳﾕﾆｯﾄ (Y,BK)
	CFRM-0976FC35	3	BN	LE		E	Drum drive unit(Y,BK)(Except No.16) (from 2001:8 ARC160) [ARC160/270/280]	ﾄﾞﾗﾑｸﾄﾞｳﾕﾆｯﾄ (Y,BK)
	CFRM-0976FC32		BP	LP		E	Drum drive unit(C,M)(Except No.16)	ﾄﾞﾗﾑｸﾄﾞｳﾕﾆｯﾄ (C,M)

22 ﾄﾞﾗﾑ駆動ﾕﾆｯﾄ (Drum drive unit)

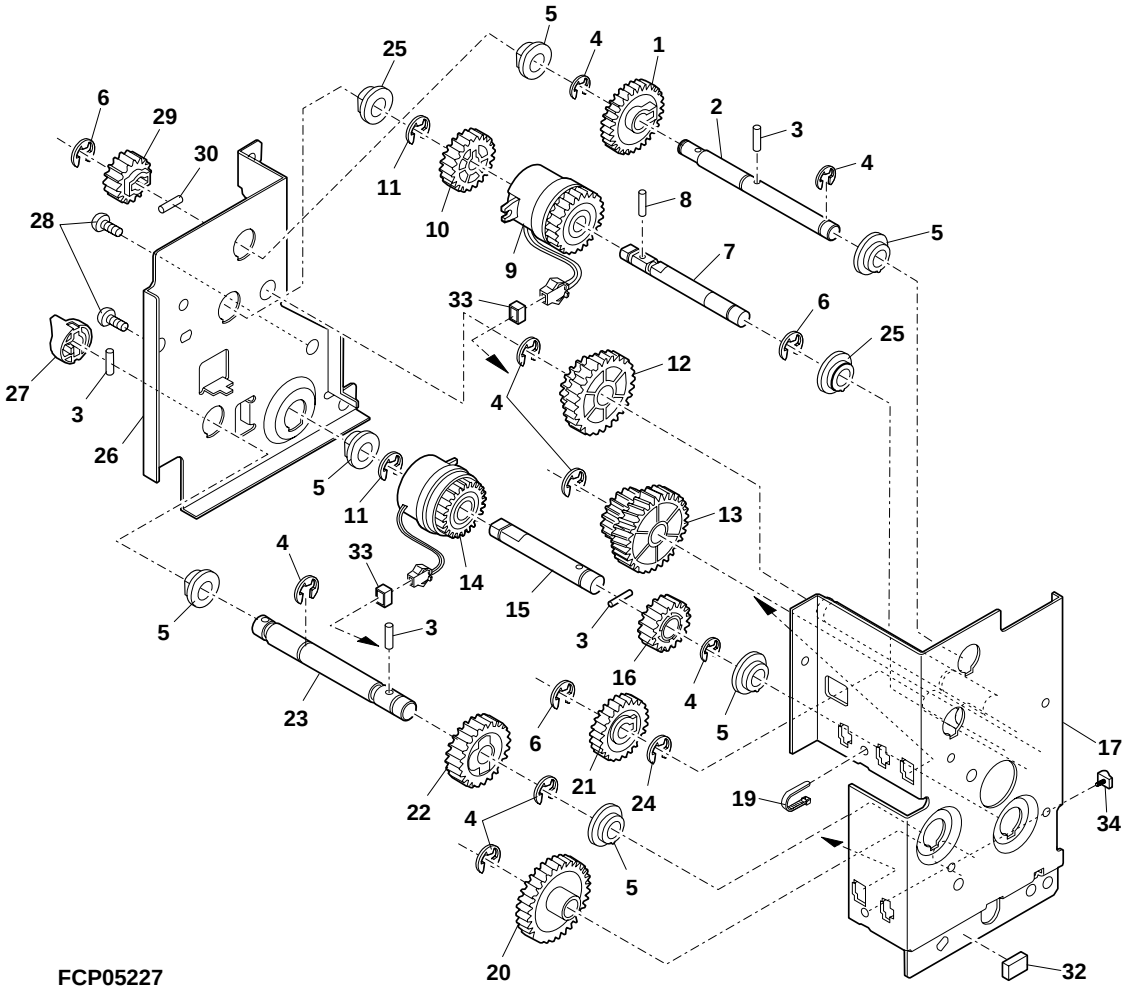


FCP05226

24 給紙連結駆動ユニット (PF Joint drive unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	NGERH1328FCZZ		AD	DJ		C	Gear(30T)	ｷﾞﾔ
2	NSFTZ2510FCZZ		AH	DX		C	Drive shaft	ﾃｻｼｸﾄﾞｳｼﾞｸ
3	LPiNS0096FCZZ		AB	DD		C	Pin(φ3-12)	ﾍｲｺｳﾋﾟﾝ
4	XRESP70-08000		AA	DD		C	E type ring	Eﾘﾝｸﾞ
5	NBRGC0504FCZZ		AC	DJ		C	PF bearing(F8×12×5 16X)	PFﾍﾞｱﾘﾝｸﾞ
6	XRESP50-06000		AA	DD		C	E type ring	Eﾘﾝｸﾞ
7	NSFTZ2512FCZZ		AH	DX		C	Transport drive shaft B	ﾊﾝｿｳｸﾄﾞｼﾞｸB
8	LPiNS0133FCZZ		AA	DD		C	Pin(φ2-10)	ﾍｲｺｳﾋﾟﾝ
9	PCLC-0290FCZZ		AV	FG		B	Clutch	ﾃｻｼﾚﾝｹﾂｸﾗｯﾁ
10	NGERH0866FCZZ		AC	DD		C	Gear (22T)	22Tｷﾞﾔ
11	XRESP40-06000		AA	DD		C	E type ring	Eﾘﾝｸﾞ
12	NGERH1292FCZZ		AD	DJ		C	Gear(18/28T)	ｷﾞﾔ18/28T
13	NGERH1488FCZZ		AE	DJ		C	Gear(18/42T)	18/42Tｷﾞﾔ
14	PCLC-0287FCZ1		AV	FG		B	Clutch	ｷｭｳｼﾚﾝｹﾂｸﾗｯﾁ
15	NSFTZ2513FCZZ		AH	DX		C	Shaft	ｷｭｳｼｸﾄﾞｳｼﾞｸ
16	NGERH0861FCZZ		AB	DD		C	Paper feed roller gear 18T	ｷｭｳｼﾛｰﾗｰｷﾞﾔ18T
17	CFRM-0979FC02		AK	DX		C	Frame A	ﾚﾝｹﾂｸﾄﾞｳAAS
19	LBNDJ0037FCZ1		AA	DJ		C	Wire band(T18S)	ｹｯｿｸﾊﾞﾝﾄﾞ
20	NGERH1329FCZZ		AE	DJ		C	Gear(32T)	ｷﾞﾔ
21	NGERH0140FCZZ		AC	DD		C	Stirring gear U(25T)	ｶｸﾊﾝﾖｳｷﾞﾔ
22	NGERH1327FCZZ		AD	DJ		C	Gear(24T)	ｷﾞﾔ
23	NSFTZ2511FCZZ		AH	DX		C	Shaft A	ﾊﾝｿｳｸﾄﾞｼﾞｸA
24	XRESP60-08000		AA	DD		C	E type ring	Eﾘﾝｸﾞ
25	NBRGC0136FCZ1		AC	DJ		C	Toner box bearing(φ6)	ﾄﾅｰﾎﾞｯｸｽﾖｳ ｼﾞｸｳｹ
26	LFRM-0980FCZZ		AF	DS		C	Frame B	ﾚﾝｹﾂｸﾄﾞｳﾌﾚｰﾑB
27	NCPL-0039FCZZ		AD	DJ		C	Coupling	ｶｯﾌﾟﾘﾝｸﾞ
28	XHBSE40P08000		AA	DD		C	Screw(4×8)	ﾋﾞｽ
29	NGERH0314FCZZ		AC	DD		C	Toner transport gear 16T	ﾄﾅｰﾊﾝｿｳｷﾞﾔ16T
30	LPiNS0155FCZZ		AA	DD		C	Pin(φ3-10)	ﾍｲｺｳﾋﾟﾝ
32	PGUMS0297FCZZ		AC	DJ		C	Paper feed motor cushion	ｷｭｳｼﾓｰﾀｰｸｯｼｮﾝ
33	QCNCM0999FCZZ		AC	DJ		C	Connector	ｺﾈｸﾀｰ
34	LHLDW1506FCZZ		AD	DJ		C	Cable clamp	ｹｰﾌﾞﾙｸﾗﾝﾌﾟ
	(Unit)							
901	CFRM-0979FC33		BF	GN		E	PF Joint drive unit	ｷｭｳｼﾚﾝｹﾂｸﾄﾞｳﾕﾆｯﾄ

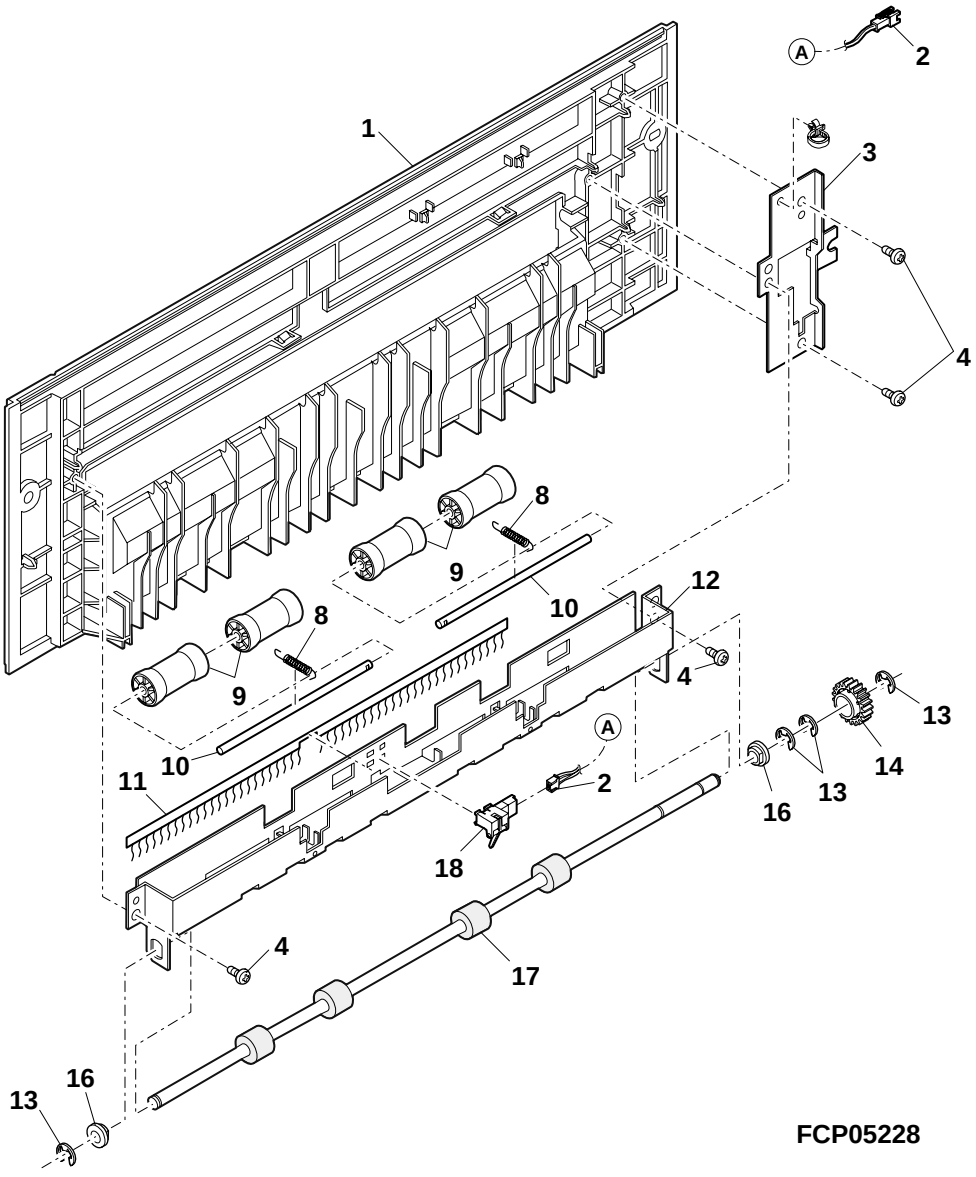
24 給紙連結駆動ユニット (PF Joint drive unit)



30 排紙下ユニット (Delivery Paper Lower unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	GCAB-0922FCZ1		AW	FG		C	Delivery exteriors	ﾊｲｼｷﾔﾋﾞﾈｯﾄ
2	DHAi-2994FCZZ		AF	DS		C	POD harness	POD ﾊｰﾈｽ
3	LPLTM5575FCZZ		AE	DS		C	Delivery drive plate	ﾊｲｼｸﾄﾞｳｲﾀ
4	XEBSD40P08000		AA	DD		C	Screw(4×8)	ﾋﾞｽ
8	MSPRC2755FCZ1		AB	DJ		C	Delivery roller spring	ﾊｲｼｼﾞｭｳﾄﾞｳﾛｰﾗｰｽﾌﾟﾘﾝｸﾞ
9	NROLP1082FCZZ		AD	DJ		C	Delivery roller	ﾊｲｼｼﾞｭｳﾄﾞｳﾛｰﾗｰ
10	NSFTZ2533FCZZ		AE	DS		C	Delivery roller shaft	ﾊｲｼｼﾞｭｳﾄﾞｳﾛｰﾗｰｼｬﾌﾄ
11	PBRSS0203FCZZ		AK	DX		B	Discharge brush	ｼﾞｮﾃﾞﾝﾌﾞﾗｼ
12	PGiDH1849FCZ2		AK	EB		C	Delivery paper guide	ﾊｲｼ PG
13	XRESP50-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
14	NGERH1312FCZZ		AM	EG		C	Delivery roller drive gear	ﾊｲｼﾛｰﾗｰｸﾄﾞｳｷﾞﾔ
16	NBRGC0387FCZ1		AC	DJ		C	Bearing	ﾍﾞｱﾘﾝｸﾞ
17	NROLR1293FCZZ		AE	DS		C	Delivery roller	ﾊｲｼﾛｰﾗ-S
18	QSW-Z0507FCZZ		AP	EQ		B	POD2-3 detect sensor	POD2-3 ｹﾝﾁｾﾝｻｰ
	(Unit)							
901	CCAB-0922FC34		BE	GN		E	Paper exit Lower unit	ﾊｲｼｼﾀﾕﾆｯﾄ

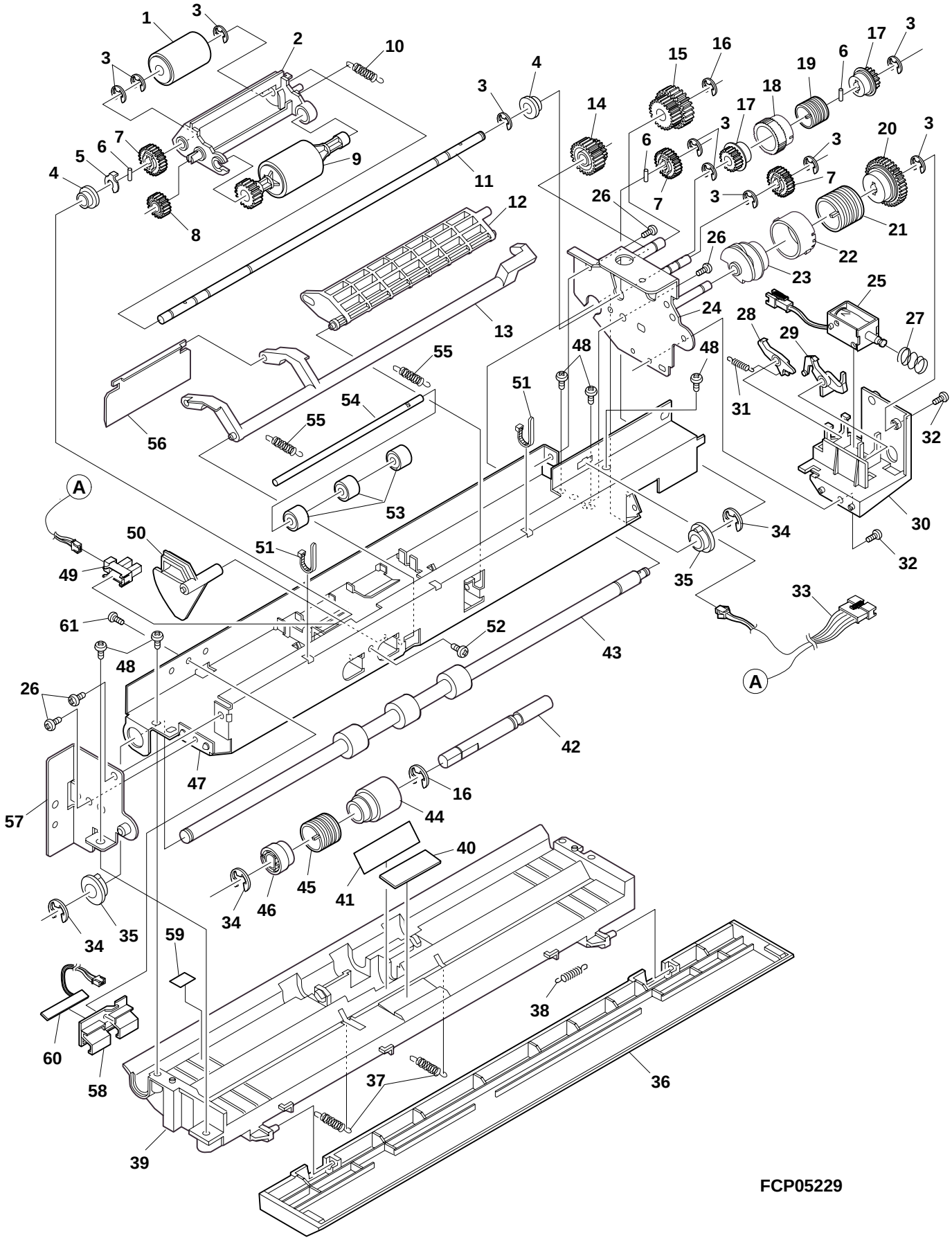
30 排紙下ユニット (Delivery Paper Lower unit)



32 ﾏﾙﾁ給紙ﾕﾆｯﾄ (Multi manual paper feeding unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	NROLR1266FCZZ		AQ	EQ		C	Paper feed roller	ｷｭｳｼﾛｰﾗｰ
2	MARMP0194FCZZ		AG	DX		C	Manual paper feed arm	ﾃｻｼｱ - ﾑ
3	XRESP40-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
4	NBRGP0598FCZZ		AC	DJ		C	Bearing(φ5)	ﾍﾞｱﾘﾝｸﾞ
5	LSTPP0279FCZZ		AB	DD		C	Stopper	ｽﾄｯﾊﾟ -
6	LPiNS0165FCZZ		AB	DD		C	Pin(φ2-8)	ﾍｲｺｳﾋﾟﾝ
7	NGERH0495FCZZ		AC	DD		C	Gear(20T)	20T ｷﾞﾔ
8	NGERH0892FCZZ		AB	DD		C	Gear(16T)	16T ｷﾞﾔ
9	NROLR1267FCZZ		AK	DX		C	Pick up roller	ﾖﾋﾞｺﾐﾛｰﾗｰ
10	MSPRC2758FCZZ		AC	DJ		C	Manual paper feed arm spring	ﾃｻｼｱｰﾑｽﾌﾟﾘﾝｸﾞ
11	NSFTZ2534FCZ1		AH	DX		C	Paper feed roller shaft	ｷｭｳｼﾛｰﾗｰｼﾞｸ
12	MARMP0117FCZ1		AD	DS		C	Manual paper feed arm B	ﾃｻｼｱ - ﾑ B B7N
13	MARMP0116FCZZ		AC	DJ		C	Manual paper feed arm A	ﾃｻｼｱ - ﾑ A B7
14	NGERH1314FCZZ		AD	DJ		C	Gear(22/24T)	16/25T ｷﾞﾔ
15	NGERH1313FCZZ		AD	DJ		C	Gear(16/25T)	22/24T ｷﾞﾔ
16	XRESP50-06000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
17	LBOSZ0979FCZZ		AF	DS		C	Clutch boss A	ﾃｻｼｸﾗｯﾁﾎﾞｽ A
18	PPiPP0109FCZZ		AB	DD		C	Pipe A	ﾃｻｼｸﾗｯﾁｽﾘｰﾌﾞ A
19	MSPRC1315FCZ1		AD	DJ		C	Clutch spring A	ﾃｻｼｸﾗｯﾁｽﾌﾟﾘﾝｸﾞ A
20	LBOSZ1124FCZZ		AF	DS		C	Manual feed CL boss 36T	ﾃｻｼ 36TCL ﾎﾞｽ
21	MSPRC1544FCZ1		AF	DS		C	Clutch spring	ﾃｻｼｸﾗｯﾁｽﾌﾟﾘﾝｸﾞ
22	PPiPP0124FCZZ		AB	DD		C	Manual feed CL sleeve	ﾃｻｼ CL ｽﾘｰﾌﾞ
23	LBOSZ1125FCZZ		AC	DD		C	Manual feed clutch boss	ﾃｻｼｸﾗｯﾁﾎﾞｽ
24	CPLTM5576FC01	1	AQ	EQ		C	Manual paper feeding drive plate(up to 2002:3) [ARC160]	ﾃｻｼｸﾄﾞｳﾊﾞﾝ
	CPLTM5576FC03	1	AQ	EQ	N	C	Manual paper feeding drive plate(from 2002:4) [ARC160]	ﾃｻｼｸﾄﾞｳﾊﾞﾝ
	CPLTM5576FC02		AL	EB	N	C	Manual paper feeding drive plate [ARC270/280]	ﾃｻｼｸﾄﾞｳﾊﾞﾝ
25	RPLU-0279FCZZ		AN	EG		B	Manual feeding solenoid	ﾃｻｼｿﾚﾉｲﾄﾞ B9
26	XHBSD40P06000		AA	DD		C	Screw(4×6)	ﾋﾞｽ
27	MSPRC1318FCZZ		AA	DD		C	Spring B	ﾃｻｼｽﾌﾟﾘﾝｸﾞ B
28	MLEVP0739FCZZ		AD	DJ		C	Manual paper feeding pawl N2	ﾃｻｼﾗｯﾁ N2
29	MLEVP0738FCZZ		AC	DJ		C	Manual paper feeding lever N	ﾃｻｼﾗｯﾁ N
30	LFRM-0745FCZZ		AE	DJ		C	Manual feed solenoid frame	ﾃｻｼｿﾚﾉｲﾄﾞﾌﾚｰﾑ
31	MSPRC1317FCZZ		AA	DD		C	Spring A	ﾃｻｼｽﾌﾟﾘﾝｸﾞ A
32	XHBSD30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
33	DHAi-3120FCZZ		AQ	EQ		C	Manual feed multi interface harness	ﾃｻｼﾏﾙﾁﾁｭｳｹｲﾊｰﾈｽ
34	XRESP70-08000		AA	DD		C	E type ring	E ﾘﾝｸﾞ
35	NBRGC0504FCZZ		AC	DJ		C	PF bearing(F8×12×5 16X)	PF ﾍﾞｱﾘﾝｸﾞ
36	PCOVP1490FCZZ		AN	EG		C	Manual feed front cover [ARC160]	ﾃｻｼﾏｴｶﾊﾞｰ
	PCOVP1696FCZZ		AH	DX	N	C	Manual feed front cover [ARC270/280]	ﾃｻｼﾏｴｶﾊﾞｰ
37	MSPRC2759FCZZ		AC	DJ		C	Separator roller spring	ﾌﾞﾝﾘﾛｰﾗｰｽﾌﾟﾘﾝｸﾞ
38	MSPRC2756FCZ1		AC	DJ		C	Cover spring	ﾏｴｶﾊﾞｰｽﾌﾟﾘﾝｸﾞ
39	PGiDM1858FCZZ		AQ	EQ		C	Manual feed lower PG guide [ARC160]	ﾃｻｼｼﾀ PG ｶﾞｲﾄﾞ
	PGiDM2014FCZZ		AP	EQ	N	C	Manual feed lower PG guide [ARC270/280]	ﾃｻｼｼﾀ PG ｶﾞｲﾄﾞ
40	PSHEZ4788FCZ1		AD	DJ		C	Manual feed sheet	ﾃｻｼ - ﾄ Be
41	PSHEP4636FCZZ		AC	DJ		C	Manual feed sheet 1 [ARC160]	ﾃｻｼﾏｲﾗｰ 1
	PSHEP5041FCZZ		AC	DJ	N	C	Manual feed sheet 1 [ARC270/280]	ﾃｻｼﾏｲﾗｰ 1
42	NSFTZ2536FCZ1		AF	DS		C	Separator roller shaft	ﾌﾞﾝﾘﾛｰﾗｰｼﾞｸ
43	NROLR1264FCZZ		AS	EQ		C	PS front roller	PS ﾏｴﾛｰﾗｰ
44	NROLR1265FCZZ		AK	DX		C	Separator roller	ﾌﾞﾝﾘﾛｰﾗｰ
45	MSPRC2760FCZZ		AF	DS		C	Separator limiter spring	ﾌﾞﾝﾘﾘﾐｯﾀｰｽﾌﾟﾘﾝｸﾞ
46	LBOSZ1998FCZZ		AC	DJ		C	Limiter spring boss	ﾘﾐｯﾀｰｽﾌﾟﾘﾝｸﾞﾎﾞｽ
47	PGiDH1851FCZZ		AP	EQ		C	Manual feed upper PG guide	ﾃｻｼｳｴ PG ｶﾞｲﾄﾞ
48	XEBSD40P08000		AA	DD		C	Screw(4×8)	ﾋﾞｽ
49	VHPGP1A71A1-1		AG	DX		B	Photo sensor(GP1A71A1)	ﾌｫﾄｾﾝｻｰ
50	MLEVP0609FCZZ		AC	DD		C	MF PE lever [ARC160]	PE ｱｸﾁｭｴｰﾀ B9
	MLEVP0880FCZZ		AD	DJ	N	C	MF PE lever [ARC270/280]	PE ｱｸﾁｭｴｰﾀ 100
51	LBNDJ0013FCZ1		AA	DJ		C	Wire band	ﾊﾞﾝﾄﾞ
52	XHBSD30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
53	NROLP1060FCZZ		AF	DS		C	U-turn roller	U ﾀｰﾝﾛｰﾗｰ
54	NSFTZ2535FCZ1		AE	DS		C	Roller shaft	ｼﾞﾕｳﾄﾞｳﾛｰﾗｰｼｬﾌﾄ
55	MSPRC2757FCZZ		AC	DJ		C	PS front roller spring	PS ﾏｴﾛｰﾗｰｽﾌﾟﾘﾝｸﾞ
56	LSTPP0278FCZZ		AC	DD		C	Manual feed stopper	ﾃｻｼｽﾄｯﾊﾟ -B9
57	CPLTM5577FC01	1	AG	DS		C	Manual paper feeding side plate(up to 2002:3) [ARC160]	ﾃｻｼｿｸﾊﾞﾝ AS
	CPLTM5577FC03	1	AG	DS	N	C	Manual paper feeding side plate(from 2002:4) [ARC160]	ﾃｻｼｿｸﾊﾞﾝ AS
	CPLTM5577FC02		AG	DS	N	C	Manual paper feeding side plate [ARC270/280]	ﾃｻｼｿｸﾊﾞﾝ AS
58	LHLDZ1434FCZZ		AE	DJ		C	OHP sensor holder	OHP ｾﾝｻｰﾎﾙﾀﾞｰ
59	PSHEP4787FCZ1		AB	DJ		C	Sensor sub sheet	ｾﾝｻｰﾎﾞｼﾞｮｼｰﾄ
60	CPWBF1092FC31		AS	EQ		E	OHP sensor PWB	OHP ｾﾝｻｰ PWB
61	XEBSD30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ

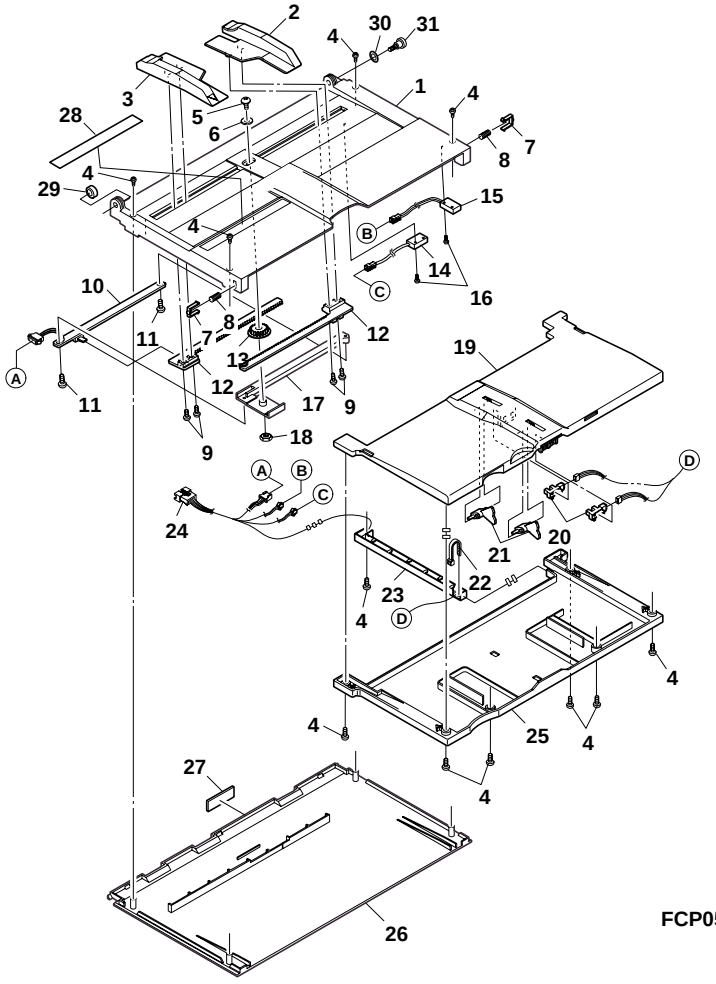
32 ﾏﾙﾁ給紙ﾕﾆｯﾄ (Multi manual paper feeding unit)



33 マルチトレイユニット (Multi tray unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	LSOU-0174FCZ1		AP	EQ		C	Manual feeding tray 1 upper	[ARC160] ﾃｻｼﾄﾚｲ 1 ｳｴ
	LSOU-0174FCZ2		AR	EQ	N	C	Manual feeding tray 1 upper	[ARC270/280] ﾃｻｼﾄﾚｲ 1 ｳｴ 100
2	PGiDM1807FCZZ		AE	DJ		C	Manual feeding guide R	[ARC160] ﾃｻｼｶﾞｲﾄﾞ R
	PGiDM2013FCZZ		AE	DJ	N	C	Manual feeding guide R	[ARC270/280] ﾃｻｼｶﾞｲﾄﾞ R 100
3	PGiDM1806FCZZ		AE	DJ		C	Manual feeding guide F	[ARC160] ﾃｻｼｶﾞｲﾄﾞ F
	PGiDM2012FCZZ		AE	DJ	N	C	Manual feeding guide F	[ARC270/280] ﾃｻｼｶﾞｲﾄﾞ F 100
4	XEBSE30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
5	XBTSC40P14000		AA	DD		C	Screw(4×14)	ﾋﾞｽ
6	XWHSE40-08100		AA	DD		C	Washer	ﾜｯｼｬ
7	PTME-0271FCZZ		AD	DJ		C	Tray lock pawl	ﾄﾚｲﾛｯｸﾂﾒ
8	MSPRC2814FCZZ		AC	DJ		C	Lock spring	ﾛｯｸｽﾌﾟﾘﾝｸﾞ B
9	XEPSD30P06XS0		AA	DD		C	Screw(3×6KS)	ﾋﾞｽ
10	RVR-P0009FCZZ		AV	FG		B	MF tray variable resistor	ﾃｻｼﾄﾚｲﾎﾞﾘｭｰﾑ
11	XEBSE30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
12	NGERR1273FCZZ		AD	DJ		C	MF tray rack gear	ﾃｻｼﾄﾚｲﾗｯｸｷﾞﾔ
13	NGERH1282FCZZ		AD	DJ		C	Multi manual feed gear	ﾏﾙﾁﾃｻｼｷﾞﾔ
14	QSW-L0520FCZZ		AH	DX		B	Tray switch -S	ﾄﾚｲｽｲｯﾁ -S
15	QSW-L0521FCZZ		AG	DX		B	Tray switch -L	ﾄﾚｲｽｲｯﾁ -L
16	LX-BZ1005YCZZ		AB	DD		C	Screw(M1.7×8.5)	ﾋﾞｽ
17	LSTYP0244FCZZ		AP	EQ		C	Center sub stay	ｾﾝﾀｰﾎｼﾞﾊﾞﾝ
18	XNESD40-24000		AA	DD		C	Nut(φ4)	ﾛｯｶｸﾅｯﾄ
19	LSOU-0166FCZZ		AS	EQ		C	Manual feeding tray 2 upper	ﾃｻｼﾄﾚｲ 2 ｳｴ
20	VHPGP1A71A1-1		AG	DX		B	Photo sensor(GP1A71A1)	ﾌｫﾄｾﾝｻｰ
21	MLEVP0734FCZ1		AF	DS		C	Tray sensor lever	ﾄﾚｲｾﾝｻｰﾚﾊﾞｰ CG
22	LBNDJ0013FCZ1		AA	DJ		C	Wire band	ﾊﾞﾝﾄﾞ
23	LHLDZ1384FCZZ		AE	DS		C	Harness holder	ﾊｰﾈｽﾎﾙﾀﾞｰ
24	DHAi-2996FCZZ		AV	FG		C	Manual feeding tray harness	ﾃｻｼﾄﾚｲﾊｰﾈｽ
25	LSOU-0167FCZZ		AU	EZ		C	Manual feeding tray 2 lower	ﾃｻｼﾄﾚｲ 2 ｼﾀ
26	LSOU-0175FCZZ		AY	FQ		C	Manual feeding tray 1 lower	ﾃｻｼﾄﾚｲ 1 ｼﾀ
27	PMLT-1136FCZZ		AC	DJ		C	Cushion	ﾎｷｭｳｸﾁﾓﾙﾄ
28	TLABZ4326FCZZ		AE	DS		C	Manual feeding size label(Japan)	ﾃｻｼ ｻｲｽﾞﾗﾍﾞﾙ
	TLABZ4327FCZZ		AE	DJ		C	Manual feeding size label(Inch series)	ﾃｻｼ ｻｲｽﾞﾗﾍﾞﾙ
	TLABZ4314FCZZ		AE	DS		C	Manual feeding size label(AB series)	ﾃｻｼ ｻｲｽﾞﾗﾍﾞﾙ
29	LX-WZ0438FCZZ		AC	DD		C	Rubber washer	ｺﾞﾑﾜｯｼｬ
30	LX-WZ0436FCZZ		AB	DD		C	Washer A	ﾜｯｼｬ A
31	LX-BZ0610FCZZ		AA	DD		C	Screw	ﾀﾞﾝﾋﾞｽ

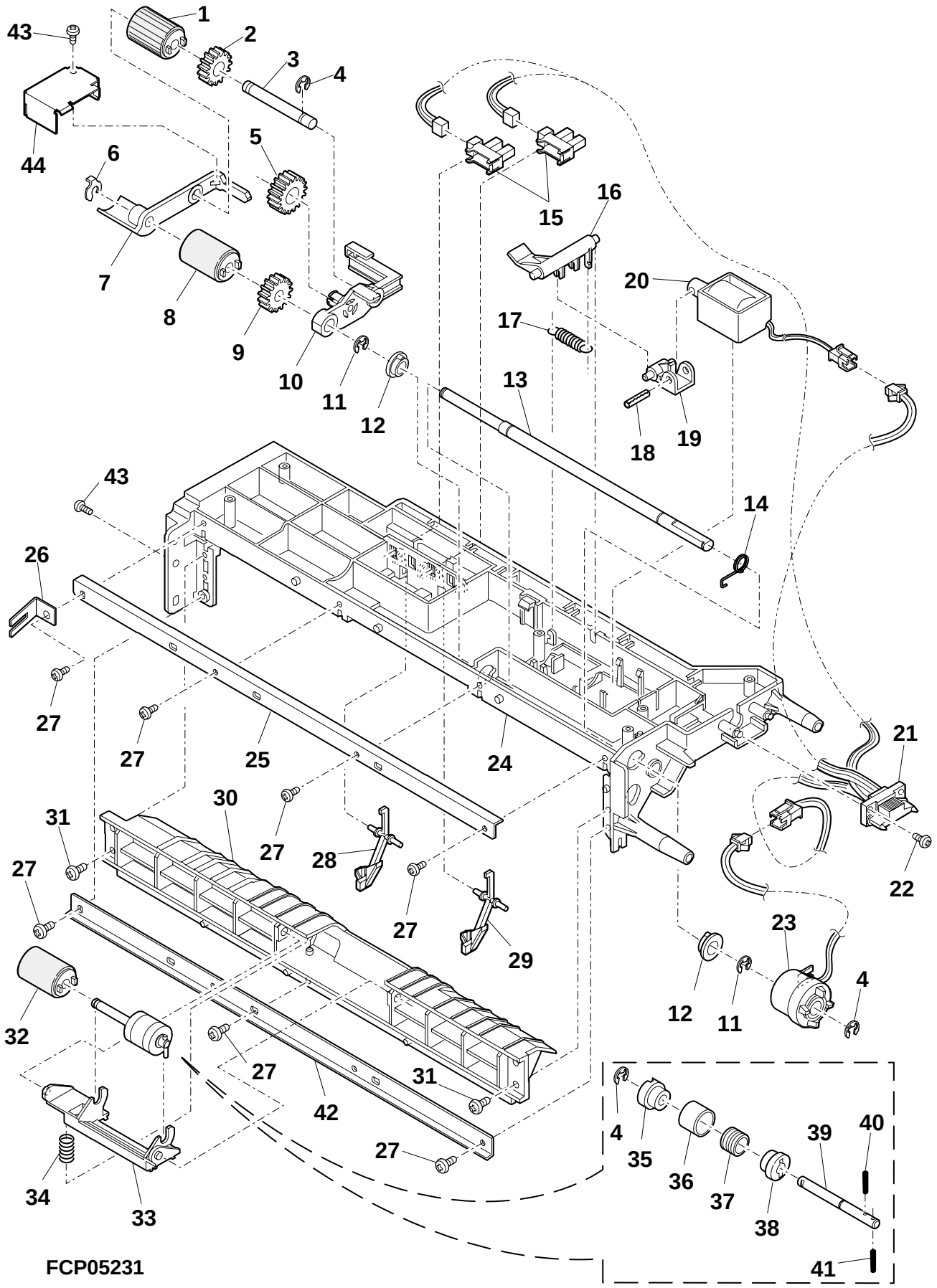
33 マルチトレイユニット (Multi tray unit)



35 トレイ給紙ユニット (Tray paper feeding unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	NROLR1219FCZZ		AL	EB		C	Pick up roller	ピックアップローラー
2	NGERH1263FCZZ		AC	DJ		C	Pick up roller gear(24T)	ピックアップローラーギヤ
3	NSFTZ2483FCZZ		AE	DS		C	CG pick up roller shaft	CG ピック UP ロ - ラージク
4	XRESP50-06000		AA	DD		C	E type ring	E リング
5	NGERH1274FCZZ		AC	DJ		C	Idle gear(26T)	アイドルギヤ
6	LSTPP0279FCZZ		AB	DD		C	Stopper	ストッパー
7	MLEVP0761FCZZ		AD	DJ		C	Pick up roller lever L	ピック UP ローラレバー L
8	NROLR1218FCZZ		AL	EB		C	Paper feeding roller	キユウシローラー
9	NGERH1275FCZZ		AM	EG		C	Paper feeding roller gear(24T)	キュウシローラーギヤ
10	MLEVP0762FCZZ		AD	DJ		C	Pick up roller lever R	ピック UP ローラレバー R
11	XRESP70-08000		AA	DD		C	E type ring	E リング
12	NBRGP0549FCZZ		AC	DJ		C	Bearing(φ8)	ジクウケ
13	NSFTZ2609FCZZ		AP	EQ		C	Paper feeding roller shaft	CG キユウシローラージク
14	MSPRC2658FCZZ		AC	DJ		C	PF earth spring	キュウシユニットアースバネ
15	VHPGP1A71A1-1		AG	DX		B	Photo sensor(GP1A71A1)	フォトセンサー
16	MLEVP0588FCZZ		AB	DD		C	Solenoid lever	ソレノイドレバ -
17	MSPRC2699FCZZ		AC	DJ		C	Solenoid lever spring	CG ソレノイドレバーバネ
18	LPiNS0317FCZZ		AB	DJ		C	Spring pin(φ3-18)	スプリングピン
19	MARMP0250FCZZ		AC	DJ		C	Solenoid arm	CG ソレノイドアーム
20	RPLU-0327FCZ1		AQ	EQ		B	Pick up solenoid	ピック UP ソレノイド
21	DHAi-2049FC11		AQ	EQ		C	Paper feeding harness 1.2	キュウシハ - ネス 1.2
22	XEBSD30P12000		AA	DD		C	Screw(3×12)	ビス
23	PCLC-0301FCZZ		AU	FG		B	PF clutch	キュウシデンジクラッチ
24	LBRC-0048FCZ3		AQ	EQ		C	Main bracket	CG メインブラケット
25	LPLTM4057FCZ2		AH	DX		C	Reinforce plate	CG ホキヨウバン
26	MSPRP2362FCZZ		AC	DJ		C	Earth spring	アーススプリング N
27	XEBSD30P08000		AA	DD		C	Screw(3×8)	ビス
28	MLEVP0695FCZZ		AC	DJ		C	H Paper feeding lever	H キユウシレバー
29	MLEVP0601FCZZ		AC	DJ		C	Sensor lever	センサ - レバ -
30	PGiDM1825FCZ2		AM	EG		C	Lower guide	CG シタガイド
31	XEBSD40P10000		AA	DD		C	Screw(4×10)	ビス
32	NROLR1229FCZZ		AL	EB		C	Reverse roller	CG ギヤクテンロ - ラー
33	LPLTM5457FCZZ		AE	DJ		C	PF pressure plate	キュウシユニットアッセツバン
34	MSPRC2674FCZZ		AC	DJ		C	Pressure spring	アッセツバンバネ
35	CCLR-0372FC01		AH	DX		C	Collar	ショウゲツカラ -
36	PCOVP1142FCZZ		AC	DD		C	Cover	トルクリミッターカバー
37	MSPRC2382FCZZ		AG	DX		C	Spring	トルクリミッタースプリング
38	PCLR-0373FCBZ		AD	DJ		C	Collar	ジュシカラー
39	NSFTZ2484FCZZ		AF	DS		C	Reverse roller shaft	CG ギヤクテンロ - ラージク
40	XPSSJ20-15000		AA	DD		C	Spring pin(φ2-15)	スプリングピン
41	LPiNS0319FCZZ		AB	DJ		C	Spring pin(φ2-18)	スプリングピン
42	LPLTM4057FCZZ		AF	DS		C	Reinforce plate	ホキョウバン
43	XHBSE40P08000		AA	DD		C	Screw(4×8)	ビス
44	LPLTM5953FCZZ		AE	DJ		C	Paper feed weight plate	給紙ウエイト板
	(Unit)							
901	DUNT-6923FC12		BM	HR		E	550 Paper feeding unit(Except No.43,44)	550 キュウシユニット

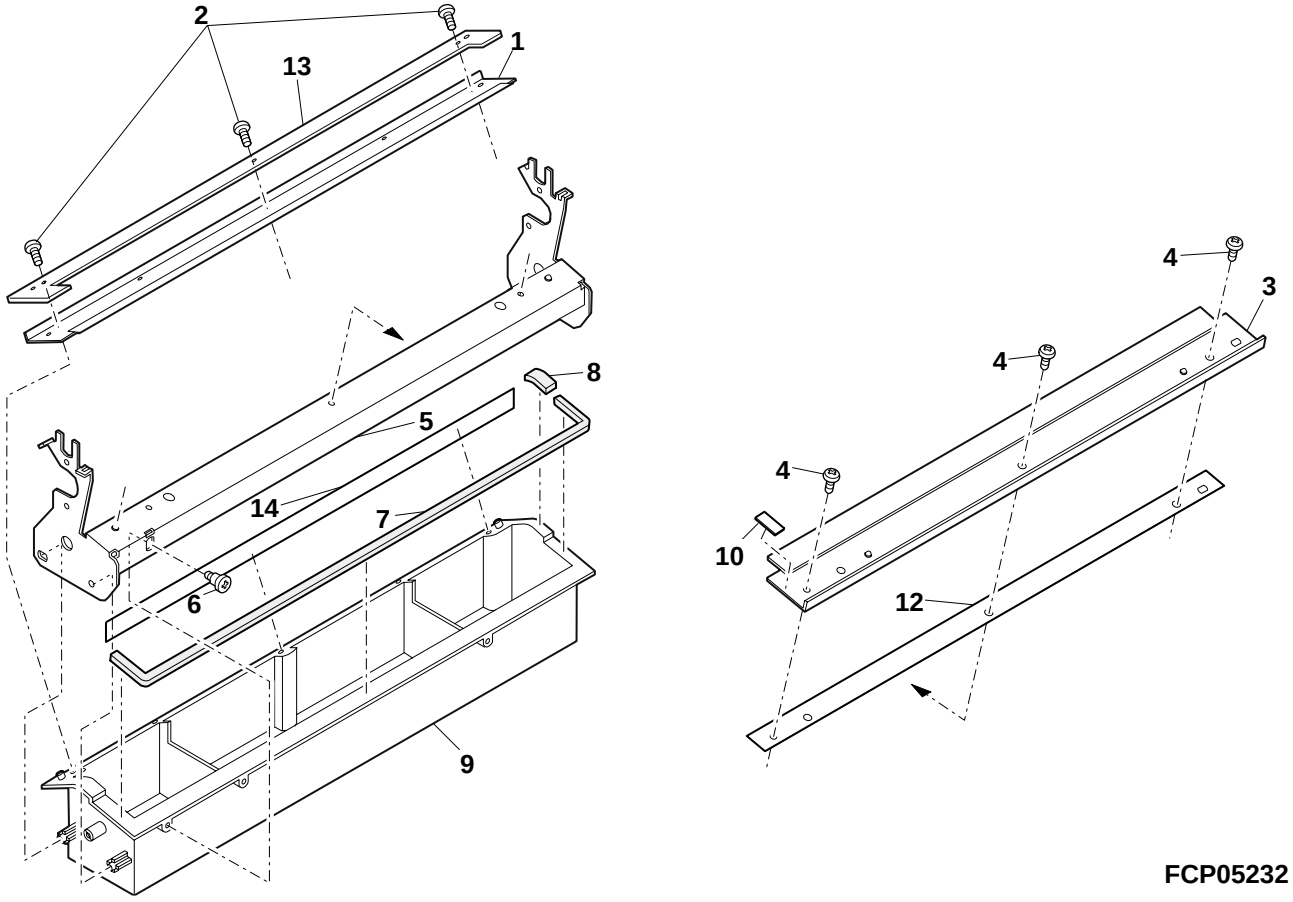
35 ﾄﾚｲ給紙ﾕﾆｯﾄ (Tray paper feeding unit)



37 廃ﾄﾅｰﾀﾝｸﾕﾆｯﾄ .etc(Waste toner tank unit.etc)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	UCLEZ0161FCZZ		AN	EG		C	Toner blade	ﾄﾅｰｳｹ BLT
2	XEBSD30P08000		AA	DD		C	Screw(3×8)	ﾋﾞｽ
3	UCLEZ0165FCZZ		AS	EZ		C	CL blade	ｸﾘｰﾆﾝｸﾞﾌﾞﾚｰﾄﾞ BLT
4	XHBS240P08000		AB	DD		C	Screw(4×8)	ﾋﾞｽ
5	LPLTM5526FCZZ		AN	EG		C	Blade fixing plate	ﾌﾞﾚｰﾄﾞﾄﾘｯｹｲﾀ
6	LX-BZ0866FCZZ		AC	DD		C	Screw	ﾊｲﾄﾅｰﾀﾝｸﾀﾞﾝﾋﾞｽ P
7	PMLT-1175FCZ1		AD	DJ		C	Tank cushion	ﾀﾝｸﾖｳﾓﾙﾄ
8	PSHEZ4647FCZZ		AE	DJ		C	Sheet	ﾀﾝｸﾖｳﾓｹﾂﾄ
9	UYOK-0055FCZ1		AP	EQ		C	Waste toner tank	ﾊｲﾄﾅｰﾀﾝｸ
10	PSHEZ4940FCZ1		AD	DJ		C	Tank cushion F	ﾀﾝｸﾖｳﾓｹｯﾄ F
12	PSHEP4821FCZZ		AD	DJ		C	Toner sheet	ﾄﾅｰｳｹﾏｲﾗｰ
13	LHLDZ1450FCZZ		AH	DX		C	Toner holder	ﾄﾅｰｳｹﾎﾙﾀﾞｰ
14	PSPAZ1428FCZZ		AD	DJ		C	Blade spacer	ﾌﾞﾚｰﾄﾞｽﾍﾟｰｻｰ

37 廃ﾄﾅｰﾀﾝｸﾕﾆｯﾄ .etc(Waste toner tank unit.etc)

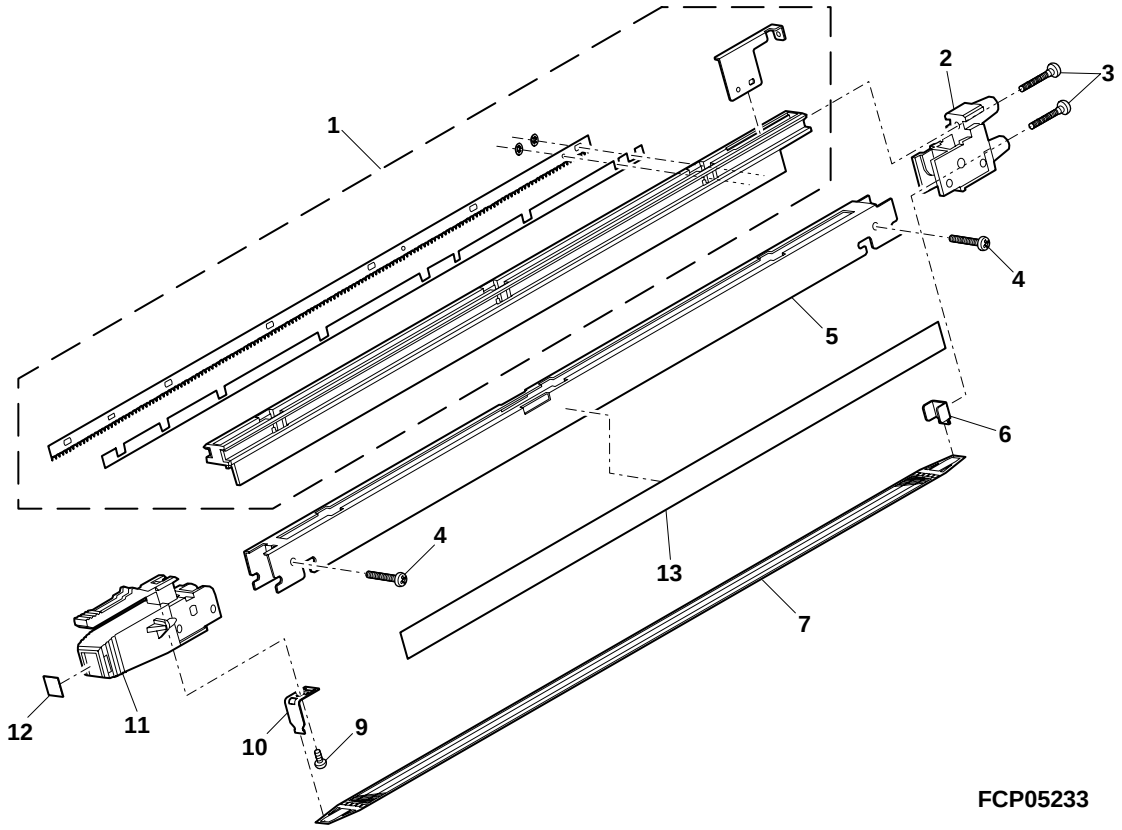


FCP05232

38 MC ﾕﾆｯﾄ (MC unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	CHLDZ1410FC51		AT	EZ		E	MC high voltage holder	MC ｺｳｱﾂﾎﾙﾀﾞｰﾕﾆｯﾄ
2	LHLDZ1409FCZZ		AG	DX		C	MC holder R	MC ﾎﾙﾀﾞｰR
3	LX-BZ0859FCZZ		AC	DD		C	Screw	MC ﾃﾞﾝｷﾖｸﾋﾞｽ
4	XBBSD30P16000		AA	DD		C	Screw(3×16)	ﾋﾞｽ
5	PCASZ0292FCZZ		AM	EG		C	MC case	MC ｹｰｽ
6	QEARP0105FCZZ		AC	DJ		C	MC grid electrode	MC ｸﾞﾘｯﾄﾞﾃﾞﾝｷｮｸ
7	LPLTM5583FCZZ		AF	DS		C	MC grid	MC ｸﾞﾘｯﾄﾞ
9	XEBSD30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
10	LPLTM5637FCZZ		AD	DJ		C	MC grid electrode	ｸﾞﾘｯﾄﾞﾃﾞﾝｷｮｸｲﾀ
11	LHLDZ1408FCZZ		AK	DX		C	MC holder F	MC ﾎﾙﾀﾞｰF
12	PSHEP4643FCZZ		AC	DJ		C	Discrimination sheet Y	ｼｷﾍﾞﾂｼｰﾄ Y
	PSHEP4644FCZZ		AC	DJ		C	Discrimination sheet M	ｼｷﾍﾞﾂｼｰﾄ M
	PSHEP4645FCZZ		AC	DJ		C	Discrimination sheet C	ｼｷﾍﾞﾂｼｰﾄ C
	PSHEP4646FCZZ		AB	DJ		C	Discrimination sheet K	ｼｷﾍﾞﾂｼｰﾄ K
13	PSHEP4860FCZZ		AE	DJ		C	MC case sheet	MC ｹｰｽｼｰﾄ
	(Unit)							
901	CCASZ0292FC51		AZ	FQ		E	MC unit(No.1~11,13)	MC ﾕﾆｯﾄ

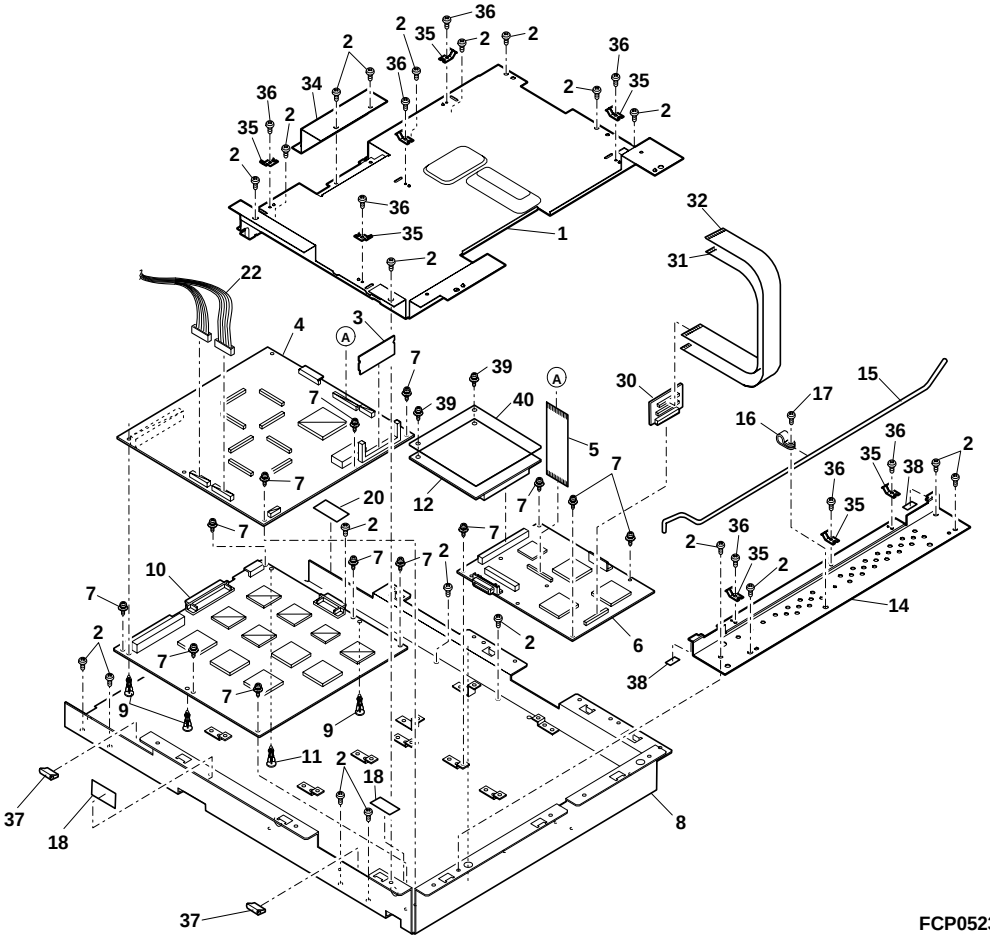
38 MC ﾕﾆｯﾄ (MC unit)



39 ICU 基板取付組品 (ICU PWB fixing Ass'y)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	PCOVP1621FCZZ		AS	EQ		C	ICU cover	ICU ｶﾊﾞｰ
2	XHBSD40P06000		AA	DD		C	Screw(4×6)	ﾋﾞｽ
3	VHi28F162A32F		BH	HC		B	ICU flash PWB(28F162A32F) [ARC160]	ICU ﾌﾗｯｼｭ PWB
	VHi28F162A33F		BH	GX	N	B	ICU flash PWB(28F162A33F) [ARC270/280]	ICU ﾌﾗｯｼｭ PWB
4	CPWBN1434FC66		DC	**		E	ICU Main PWB unit [ARC160]	ICU ﾒｲﾝ PWB ﾕﾆｯﾄ
	CPWBN1434FC67		BL	ZZ	N	E	ICU Main PWB unit [ARC270/280]	ICU ﾒｲﾝ PWB ﾕﾆｯﾄ
5	DHAi-3091FCZZ		AH	DX		C	SCN-LSU harness	SCN-LSU ﾊｰﾈｽ
6	CPWBN1436FC52		CH	UP		E	ICU SCN PWB unit	ICU SCN PWB ﾕﾆｯﾄ
7	XBPSD30P06KS0		AA	DD		C	Screw(3×6KS)	ﾋﾞｽ
8	CPLTM5948FC01	1	BB	GD		C	ICU support plate(up to 2001:10 ARC160)	ICU ｼｼﾞﾊﾞﾝ
	CPLTM5948FC02	1	BB	GD		C	ICU support plate(from 2001:11 ARC160) [ARC160/270/280]	ICU ｼｼﾞﾊﾞﾝ
9	PSPAZ1419FCZZ		AC	DJ		C	PWB spacer	ｷﾊﾞﾝｽﾍﾟｰｻｰ
10	CPWBN1380FC54		DN	**		E	ICU IMG unit	ICU IMG ﾕﾆｯﾄ
11	PSPAZ1418FCZZ		AC	DJ		C	PWB spacer	ｷﾊﾞﾝｽﾍﾟｰｻｰ
12	CPWBN1349FC31	5	CU	VZ		E	CPT PWB unit(Japan up to 2001:8 ARC160)	CPT PWB ﾕﾆｯﾄ
	CPWBN1536FC51	5	BY	TF	N	E	CPT PWB unit(Japan from 2001:9 ARC160)	CPT PWB ﾕﾆｯﾄ
	CPWBN1349FC31	5	CU	VZ		E	CPT PWB unit(except Japan up to 2001:9 ARC160)	CPT PWB ﾕﾆｯﾄ
	CPWBN1536FC51	5	BY	TF	N	E	CPT PWB unit(except Japan from 2001:10 ARC160)	CPT PWB ﾕﾆｯﾄ
	CPWBN1536FC52		BV	RB	N	E	CPT PWB unit [ARC270/280]	CPT PWB ﾕﾆｯﾄ
14	LPLTM5947FCZZ		AK	EB		C	Shield plate	ｼｰﾙﾄﾞﾌﾟﾚｰﾄ ICU
15	NSFTZ2524FCZZ		AP	EQ		C	Stopper shaft	ｽﾄｯﾊﾟｰｼｬﾌﾄ
16	LBNDJ0011FCZZ		AB	DD		C	Clamp band(NK-5N)	ﾅｲﾛﾝｸﾗﾝﾌﾟ
17	XHBSE40P08000		AA	DD		C	Screw(4×8)	ﾋﾞｽ
18	PSHEP4772FCZZ		AC	DJ		C	Harness protect sheet A	ﾊｰﾈｽﾎｺﾞｼｰﾄ A
20	PSHEP4760FCZZ		AC	DJ		C	Harness protect sheet	ﾊｰﾈｽﾎｺﾞｼｰﾄ
22	DHAi-3329FCZZ		AZ	FQ		C	ICU/LSU harness	ICU/LSU ﾊｰﾈｽ
30	CPWBN1496FC31		BC	GJ		E	CCD/ICU I/F PWB unit	CCD/ICU I/F PWB ﾕﾆｯﾄ
31	DHAi-3331FCZZ		AF	DS		C	CCD/ICU 2 harness	CCD/ICU 2 ﾊｰﾈｽ
32	DHAi-3330FCZZ		AG	DS		C	CCD/ICU 1 harness	CCD/ICU 1 ﾊｰﾈｽ
34	PCOVP1622FCZZ		AE	DJ		C	ICU-IF cover	ICU-IF ｶﾊﾞｰ
35	QEARP0137FCZZ		AC	DJ		C	ICU earth plate	ICU-ｱｰｽﾌﾟﾚｰﾄ
36	XHBSD30P06000		AA	DD		C	Screw(3×6)	ﾋﾞｽ
37	PGSK-0045FCZZ		AF	DS		C	Gasket	ｶﾞｽｹｯﾄ
38	PSHEZ4919FCZZ	1	AB	DJ		C	Rubber sheet(up to 2001:5 ARC160)	制振ｺﾞﾑｼｰﾄ
	PSHEZ4919FCZ1	1	AB	DJ		C	Rubber sheet(from 2001:6 ARC160) [ARC160/270/280]	制振ｺﾞﾑｼｰﾄ
39	LX-BZ0956FCZZ		AB	DD		C	Screw(3×6)	ﾋﾞｽ
40	PSLDM0180FCZZ		AE	DS		C	CPT shield sheet	CPT ｼｰﾙﾄﾞｼｰﾄ

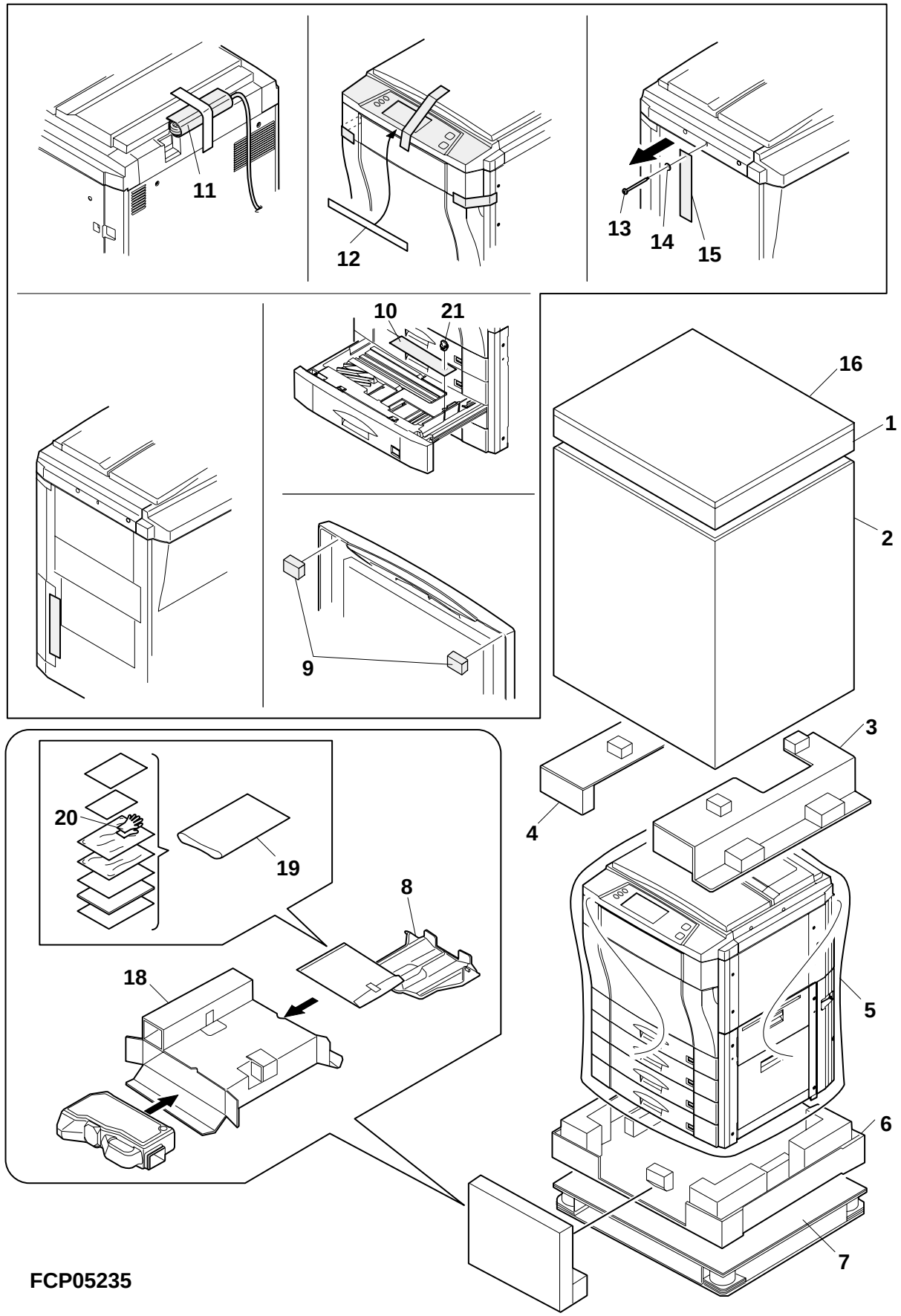
39 ICU 基板取付組品 (ICU PWB fixing Ass'y)



40 梱包 & 付属品 (Packing Material & Accessories)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	SPAKA5914FCZZ		AY	FQ		D	Packing add パッキングアド
2	SPAKC6164FCZZ		BH	GX		D	Packing case(Japan) [ARC160] パッキングケース
	SPAKC6165FCZZ		BH	GX		D	Packing case(U.S.A,Canada,U.Kingdom,Germany, Europe,Australia,New Zealand,etc.) [ARC160] パッキングケース
	SPAKC6166FCZZ		BH	GX		D	Packing case(Europe) [ARC160] パッキングケース
	SPAKC6164FC11		BH	GX		D	Packing case OC(Other countries) [ARC160] パッキングケース OC
	SPAKC6328FCZZ		BH	GX		D	Packing case(Japan) [ARC280] パッキングケース
	SPAKC6329FCZZ		BH	GX		D	Packing case(U.S.A,Canada,U.Kingdom,Germany, Europe,Australia,New Zealand,etc.) [ARC270] パッキングケース
	SPAKC6330FCZZ		BH	GX		D	Packing case(Europe) [ARC270] パッキングケース
	SPAKC6328FC11		BH	GX	N	D	Packing case(Other countries) [ARC270] パッキングケース
3	SPAKA5918FCZZ		AZ	FX		D	Packing add(U.S.A,Canada,U.Kingdom,Germany, Europe,Australia,New Zealand,etc.) パッキングアド
	SPAKA5916FCZ1		AZ	FX		D	Packing add OC(Other countries) パッキングアド
4	SPAKA5917FCZZ		AZ	FX		D	Packing add(U.S.A,Canada,U.Kingdom,Geramny, Europe,Australia,New Zealand,etc.) パッキングアド
	SPAKA5915FCZ1		AZ	FX		D	Packing add OC(Other countries) パッキングアド
5	SSAKH9940QCZZ		AL	DX		D	Vinly bag ビニールブクロ
6	SPAKA5923FCZZ		BH	GX		D	Packing add パッキングアド
7	SPAKA5924FCZ1		BN	LE		D	Packing add(Japan,Australia,New Zealand) パッキングアド
8	CSÖU-0168FC01		BB	GD		C	Delivery tray(Except U.S.A, U.Kingdom ARC270) ハイシトレイ
9	SPAKA4693FCZZ		AE	DS		D	Packing add OC(OC Model only) パッキングアド OC
10	TCADZ1275FCZZ		AB	DJ		D	Caution card カード
11	SPAKA1624FCZZ		AB	DD		D	Packing add パッキングアド
12	PSHEZ2097FCZZ		AF	DS		C	Electric discharge sheet セイデンボウシシート
13	LX-BZ0886FCZZ		AE	DS		C	Screw ビス
14	LX-WZ0326FCZZ		AA	DD		C	Washer ワッシャ
15	TCADZ1178FCZZ		AB	DJ		D	Caution card カード
16	SPAKA6001FCZZ		AR	EQ		D	Packing add(U.S.A,Canada,U.Kingdom,Germany, Europe,Australia,New Zealand,etc.) パッキングアド
18	SPAKA5940FCZZ		AQ	EQ		D	Accessory sleeve フゾクヒンスリーブ
19	SSAKA2440QCZZ		AB	DD		D	Vinyl bag(280×410mm) ビニールブクロ
20	UKÖGZ0002FCZZ		AD	DJ		D	Vinyl gloves ポリテブクロ
21	LHLDW1226FCZZ		AB	DJ		C	Turn fasner ターンファスナー
101	CCASZ0067FC02		AM	EG		D	Maintenance card(Japan) メンテナンスカード
	CCASZ0067FC01		AD	DJ		D	Maintenance card(Other countries) メンテナンスカード
102	PSHEZ1394FCZZ		AC	DD		C	Vinyl sheet ポリシート
104	TCADS0649FCZZ		AM	EG		D	Card(Germany,Europe) ノウニュウセッチホウコクショ
	TCADZ2001QCZA		AE	DS		D	Card(Australia,New Zealand) ノウニュウセッチホウコクショ
106	TiNSJ2096FCZZ	3	AZ	FQ		D	Operation manual(Japan)(up to 2002:4 ARC160) [ARC160] トリアツカイセツメイショ
	TiNSJ2255FCZZ	3	AZ	FQ	N	D	Operation manual (Japan)(from 2002:5 ARC160) [ARC160/280] トリアツカイセツメイショ
	TiNSJ2097FCZZ		AP	EQ		D	Operation manual(key operation)(Japan) [ARC160] トリアツカイセツメイショ
	TiNSE2098FCZZ	3	AZ	FX		D	Operation manual(U.S.A)(up to 2002:4 ARC160) [ARC160] トリアツカイセツメイショ
	TiNSE2257FCZZ	3	AZ	FQ	N	D	Operation manual(U.S.A)(from 2002:5 ARC160) [ARC270] トリアツカイセツメイショ
	TiNSE2099FCZZ		AQ	EQ		D	Operation manual(key operation)(U.S.A) [ARC160] トリアツカイセツメイショ
	TiNSE2100FCZZ		BH	GX		D	Operation manual(English area) [ARC160] トリアツカイセツメイショ
	TiNSF2101FCZZ		BH	GX		D	Operation manual(French) [ARC160] トリアツカイセツメイショ
	TiNSG2102FCZZ		BH	GX		D	Operation manual(German)(Germany) [ARC160] トリアツカイセツメイショ
	TiNSJ2256FCZZ		AN	EQ	N	D	Operation manual(key operation)(Japan) [ARC280] トリアツカイセツメイショ
	TiNSE2258FCZZ		AQ	EQ	N	D	Operation manual(key operation)(U.S.A) [ARC270] トリアツカイセツメイショ
	TiNSE2259FCZZ		BD	GN	N	D	Operation manual(English area) [ARC270] トリアツカイセツメイショ
	TiNSE2262FCZZ		BD	GN	N	D	Operation manual(U.kingdom) [ARC270] トリアツカイセツメイショ
	TiNSF2260FCZZ		BH	GX	N	D	Operation manual(French) [ARC270] トリアツカイセツメイショ
	TiNSG2261FCZZ		BD	GN	N	D	Operation manual(German)(Germany) [ARC270] トリアツカイセツメイショ
	TiNSS2263FCZZ		BH	GX	N	D	Operation manual(Spanish) [ARC270] トリアツカイセツメイショ
	TiNSZ2270FCZZ		BH	GX	N	D	Operation manual(Arabic) [ARC270] トリアツカイセツメイショ
108	UYÖK-0011FCZZ		AA	DD		D	Vinyl bag ポリブクロ
109	HiNDP0777FCG1		AH	DX		C	Key sheet(English area) キーシート
	HiNDP0777FCG2		AH	DX		C	Key sheet(French) キーシート
	HiNDP0777FCG3		AH	DX		C	Key sheet(Germany) キーシート
110	HiNDP0844FCGZ		AE	DS		C	Key sheet B(English) キーシート B
	HiNDP0844FCG1		AE	DS		C	Key sheet B(French) キーシート B
	HiNDP0844FCG2		AE	DS		C	Key sheet B(Germany) キーシート B
111	TCADZ1520FCZZ		AE	DS		D	MS DS card(U.S.A,Canada,U.Kingdom) MSDS カード
114	TLABH4186FCZZ		AE	DS		C	Class A VCCI label(Japan) クラスA VCCI ラベル
115	TLABS4069FCZZ		AC	DJ		C	JET label(Japan) JET 認証ラベル
	TCADZ0214FCZZ		AC	DD		D	Maintenance card(Japan) メンテナンスカード
116	SPAKA6045FCZZ		AE	DJ		D	Transfer unit add 転写ユニット保護材

40 梱包 & 付属品 (Packing Material & Accessories)



FCP05235

43 PCU ﾒｲﾝ基板 (PCU Main PWB)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	QCNCM0877FCZZ		AF	DS		C	Connector(20pin)	[CN101] ｺﾈｸﾀｰ
2	QCNCM0879FCZZ		AF	DS		C	Connector(28Pin)	[CN104] ｺﾈｸﾀｰ
3	QCNCM0923FC14		AE	DJ		C	Connector(14pin)	[CN109] ｺﾈｸﾀｰ
4	QCNCM0923FC18		AF	DS		C	Connector(B18B-PHDSS-B)	[CN103] ｺﾈｸﾀｰ
5	QCNCM0923FC32		AG	DS		C	Connector(32Pin)	[CN107] ｺﾈｸﾀｰ
6	QCNCM0923FC3D		AF	DS		C	Connector(B34B-PHDSS)(34pin)	[CN106] ｺﾈｸﾀｰ
7	QCNCW0454FCZZ		AC	DD		C	Connector(14pin)	[CN108] ｺﾈｸﾀｰ
8	QCNCW0885FCZZ		AG	DX		C	Connector(12Pin)	[CN114] ｺﾈｸﾀｰ
10	QSOCZ0073FCZZ		AL	EB		C	Connector(72pin)	[CN201] ｺﾈｸﾀｰ
11	QSOCZ6428ACZZ		AE	DS		C	IC socket(28Pin)	[IC100] IC ｿｹｯﾄ
12	RCRMT0002FCZZ		AE	DS		B	Crystal(CST9.8MTWO)	[X301] ｸﾘｽﾀﾙ
13	RCRS-0027FCZZ		AF	DS		B	Crystal(12.2MHz)	[X102] ｸﾘｽﾀﾙ
14	RCRSP1036CCZZ		AH	EB		B	Crystal(32.768KHZ)	[X101] ｸﾘｽﾀﾙ
16	RFiLN0043FCZZ		AC	DJ		C	EMI filter(ZJSR5101-102)	[NF301,303,304] EMI ﾌｨﾙﾀｰ
18	RMPTC4102QCJJ		AC	DD		B	Block resistor(1KΩ×4)	[BR306,308,309,312,313,314] ﾌﾞﾛｯｸﾃｲｺｳ
	RMPTC4102QCJJ		AC	DD		B	Block resistor(1KΩ×4)	[BR317,320,321,322,326,327] ﾌﾞﾛｯｸﾃｲｺｳ
	RMPTC4102QCJJ		AC	DD		B	Block resistor(1KΩ×4)	[BR329,332,333,334,336,339] ﾌﾞﾛｯｸﾃｲｺｳ
19	RMPTC4103QCJJ		AC	DD		B	Block resistor(10KΩ×4)	[BR100~128] ﾌﾞﾛｯｸﾃｲｺｳ
	RMPTC4103QCJJ		AC	DD		B	Block resistor(10KΩ×4)	[BR316,323,328,331,340] ﾌﾞﾛｯｸﾃｲｺｳ
20	RMPTC4104QCJJ		AA	DD		B	Block resistor(100KΩ×4)	[BR301,318,304,335,338,341] ﾌﾞﾛｯｸﾃｲｺｳ
21	RMPTC4203QCJJ		AA	DD		B	Block resistor(20KΩ×4)	[BR302,303] ﾌﾞﾛｯｸﾃｲｺｳ
22	RMPTC4472QCJJ		AC	DD		B	Block resistor(4.7KΩ×4)	[BR305,307,310,315,325,337] ﾌﾞﾛｯｸﾃｲｺｳ
23	RMPTC4473QCJJ		AC	DD		B	Block resistor(47KΩ×4)	[BR311,319,324,330] ﾌﾞﾛｯｸﾃｲｺｳ
24	RMPTC4470QCJJ		AC	DD		B	Block resistor(47Ω×4)	[BR129~138] ﾌﾞﾛｯｸﾃｲｺｳ
25	VCCCCY1HH101J		AA	DD		C	Capacitor(50WV 100pF)	[C528,617,618,620,629,630] ｺﾝﾃﾞﾝｻｰ
26	VCCCCY1HH220J		AA	DD		C	Capacitor(50WV 22pF)	[C112,121,145] ｺﾝﾃﾞﾝｻｰ
27	VCEAGA0JW108M		AD	DJ		C	Capacitor(6.3WV 1000μF)	[C304] ｺﾝﾃﾞﾝｻｰ
28	VCEAGA1AW476M		AA	DD		C	Capacitor(10WV 47μF)	[C100,114] ｺﾝﾃﾞﾝｻｰ
29	VCEAGA1AW477M		AB	DD		C	Capacitor(10WV 470μF)	[C101,C110,C303] ｺﾝﾃﾞﾝｻｰ
30	VCEAGA1CW106M		AA	DD		C	Capacitor(16WV 10μF)	[C137,138,318,319,320] ｺﾝﾃﾞﾝｻｰ
31	VCEAGA1VW106M		AA	DD		C	Capacitor(35WV 10μF)	[C301,302,306,307] ｺﾝﾃﾞﾝｻｰ
	VCEAGA1VW106M		AA	DD		C	Capacitor(35WV 10μF)	[C312,313,316,317] ｺﾝﾃﾞﾝｻｰ
32	VCEAGU1VW477M		AD	DJ		C	Capacitor(35WV 470μF)	[C308,309] ｺﾝﾃﾞﾝｻｰ
33	VCFYPU1HA104J		AD	DD		C	Capacitor(50WV 0.1μF)	[C119,314,315,321,322] ｺﾝﾃﾞﾝｻｰ
34	VCKYCY1CF224Z		AB	DD		C	Capacitor(16WV 0.22μF)	[C608] ｺﾝﾃﾞﾝｻｰ
35	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF)	[C123,143,144,504,516,546] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF)	[C563,576,577,603~607] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF)	[C609,612,623,624,640] ｺﾝﾃﾞﾝｻｰ
36	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF)	[C502,503,505,507,510,C511] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF)	[C513,515,519,520] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF)	[C532~545,547~562] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF)	[C564,565,567~575] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF)	[C578,549,580,581,583,584] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF)	[C585,587,588,589,590] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF)	[C592~598,600,610,611,613] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF)	[C614,615,616,625,626,627] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF)	[C628,635,636,141,142] ｺﾝﾃﾞﾝｻｰ
37	VCKYCY1HF103Z		AA	DD		C	Capacitor(50WV 0.010μF)	[C122,512] ｺﾝﾃﾞﾝｻｰ
38	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022μF)	[C102~109,111,113] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022μF)	[C115,116,117,118,120] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022μF)	[C125~136,140] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022μF)	[C501,506,508,509] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022μF)	[C514,517,518] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022μF)	[C521~527,529,530] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022μF)	[C582,591,599,601,602,621] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022μF)	[C622,631,637,638,586] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022μF)	[C619,639] ｺﾝﾃﾞﾝｻｰ
39	VCKYTV1AB225M		AC	DD		C	Capacitor(10WV 2.2μF)	[C632] ｺﾝﾃﾞﾝｻｰ
40	VCKYTV1CB105K		AC	DD		C	Capacitor(16WV 1μF)	[C531,633,634] ｺﾝﾃﾞﾝｻｰ
41	VCKYTV1EF334Z		AC	DD		C	Capacitor(25WV 0.33μF)	[C139] ｺﾝﾃﾞﾝｻｰ
42	VHD1SS133//-1		AA	DD		B	Diode(1SS133)	[D302,303,304,305] ﾀﾞｲｵｰﾄﾞ
	VHD1SS133//-1		AA	DD		B	Diode(1SS133)	[D307,308,309,310] ﾀﾞｲｵｰﾄﾞ
43	VHDDAN202K/-1		AB	DD		B	Diode(DAN202K)	[D515,516,517] ﾀﾞｲｵｰﾄﾞ
44	VHDDAN217//-1		AC	DD		B	Diode(DAN217)	[D502,514] ﾀﾞｲｵｰﾄﾞ
45	VHDDAP202K/-1		AB	DD		B	Diode(DAP202K)	[D501,503~513,519] ﾀﾞｲｵｰﾄﾞ
46	VHEHZ2C1///-1		AA	DD		B	Zener diode(HZ2C1)	[ZD301,303] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
47	VHEHZS5B3//-1		AB	DJ		B	Zener diode(HZS5B3)	[ZD302] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
51	VHi58C256AP-1		BB	GD		B	EEPROM(58C256AP)	[IC100] EEPROM
52	VHi74LV00AT//		AD	DJ		B	IC(74LV00AT)	[IC109] IC
53	VHi74LV04AT//		AD	DJ		B	IC(74LV04AT)	[IC110] IC
54	VHi74LV10AT//		AD	DJ		B	IC(74LV10AT)	[IC107] IC
55	VHi74LV138AT/		AE	DS		B	IC(74LV138AT)	[IC103] IC
56	VHi74LV32AT//		AD	DJ		B	IC(74LV32AT)	[IC106,111] IC
57	VHi74LV74AT//		AD	DJ		B	IC(74LV74AT)	[IC108] IC
58	VHi74LV86AT//		AD	DJ		B	IC(HD74LV86AT)	[IC305] IC
59	VHi74LVU04AT/		AD	DJ		B	IC(HD74LVU04AT)	[IC323] IC
60	VHi74VHCT04MT		AD	DJ		B	IC(74VHCT04MT)	[IC310,314,316] IC
62	VHiFH45560/-1		BA	FX		B	IC(FH45560)	[IC105] IC
63	VHiHG71C254-1		AZ	FQ		B	IC(HG71C254)	[IC326] IC

43 PCU メイン基板 (PCU Main PWB)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
64	RH-iX0001FCZZ	3	AR	EQ		B	IC(IX0001)(up to 2002:4 ARC160) [IC102,104] IC
	VHiUT615125-1	3	AR	EQ		B	IC(UT615125)(from 2002:5 ARC160) [ARC160/270] [IC102,104] IC
65	VHiLM324NS/-S		AC	DJ		B	IC(LM324NS) [IC313] IC
66	VHiLM339NS/-1		AD	DD		B	IC(LM339NS) [IC302] IC
67	VHiMC68334/-1		BE	GN		B	IC(MC68334) [IC101] IC
68	VHiTA7291S/-1		AF	DS		B	IC(TA7291S) [IC301,304,307,312] IC
69	VHiTA75S393F1		AD	DS		B	IC(TA75S393F1) [IC330] IC
70	VHiTD62003AP1		AG	DX		B	IC(TD620003AP1) [IC303,308,309,320,329] IC
71	VHiTD62504F-1		AG	DS		B	IC(TD62504F) [IC306,311,321,325,327] IC
72	VHiTE7754++-1		AW	FG		B	IC(TE7754) [IC318,319] IC
73	VHiVHCT14AM-1		AE	DJ		B	IC(74VHCT14A) [IC317,322,324,328] IC
74	VHPLT1F67AF-1		AC	DJ		B	LED(LT1F67AF) [LED301] LED
75	VRD-HT2EY332J		AA	DD		C	Resistor(1/4W 3.3KΩ ±5%) [R303] 抵抗
76	VRD-HT2EY361J		AA	DD		C	Resistor(1/4W 360Ω ±5%) [R302] 抵抗
77	VRNHT2EK51R0F		AA	DD		C	Resistor(1/4W 51Ω ±1%) [R301,304] 抵抗
78	VRS-CY1JD000J		AA	DD		C	Resistor(1/16W 0Ω ±5%) [R112,115] 抵抗
	VRS-CY1JD000J		AA	DD		C	Resistor(1/16W 0Ω ±5%) [ARC270/280][R625] 抵抗
79	VRS-CY1JD101J		AA	DD		C	Resistor(1/16W 100Ω ±5%) [R507,526,534,535,536] 抵抗
	VRS-CY1JD101J		AA	DD		C	Resistor(1/16W 100Ω ±5%) [R547,552,561,564,566] 抵抗
	VRS-CY1JD101J		AA	DD		C	Resistor(1/16W 100Ω ±5%) [R568~573,577,578,579] 抵抗
	VRS-CY1JD101J		AA	DD		C	Resistor(1/16W 100Ω ±5%) [R590,591,592,621~624] 抵抗
80	VRS-CY1JD102F		AA	DD		C	Resistor(1/16W 1KΩ ±1%) [R613] 抵抗
81	VRS-CY1JD102J		AA	DD		C	Resistor(1/16W 1.0KΩ ±5%) [R514,515,516,524,529] 抵抗
82	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R103,109,111,502,510] 抵抗
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R520,522,525,530,548] 抵抗
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R549,556,557,575] 抵抗
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R580~583,596,605,606] 抵抗
84	VRS-CY1JD105J		AA	DD		C	Resistor(1/16W 1MΩ ±5%) [R589] 抵抗
85	VRS-CY1JD106J		AA	DD		C	Resistor(1/16W 10MΩ ±5%) [R101] 抵抗
86	VRS-CY1JD122J		AA	DD		C	Resistor(1/16W 1.2KΩ ±5%) [R593,594,604,608,609] 抵抗
87	VRS-CY1JD152J		AA	DD		C	Resistor(1/16W 1.5KΩ ±5%) [R540,541,542,584] 抵抗
	VRS-CY1JD152J		AA	DD		C	Resistor(1/16W 1.5KΩ ±5%) [R617,618,619] 抵抗
89	VRS-CY1JD203J		AA	DD		C	Resistor(1/16W 20KΩ ±5%) [R105,503,506] 抵抗
90	VRS-CY1JD204J		AA	DD		C	Resistor(1/16W 200KΩ ±5%) [R517,518,532,533] 抵抗
	VRS-CY1JD204J		AA	DD		C	Resistor(1/16W 200KΩ ±5%) [R545,546,554,555] 抵抗
91	VRS-CY1JD221J		AA	DD		C	Resistor(1/16W 220Ω ±5%) [R588] 抵抗
92	VRS-CY1JD222J		AA	DD		C	Resistor(1/16W 2.2KΩ ±5%) [R601,602,603,607,610] 抵抗
93	VRS-CY1JD224J		AA	DD		C	Resistor(1/16W 220KΩ ±5%) [R512] 抵抗
94	VRS-CY1JD303J		AA	DD		C	Resistor(1/16W 30KΩ ±5%) [R620] 抵抗
95	VRS-CY1JD334J		AA	DD		C	Resistor(1/16W 330KΩ ±5%) [R102] 抵抗
96	VRS-CY1JD392F		AA	DD		C	Resistor(1/16W 3.9KΩ ±1%) [R550] 抵抗
97	VRS-CY1JD432J		AA	DD		C	Resistor(1/16W 4.3KΩ ±5%) [R504,505] 抵抗
98	VRS-CY1JD471F		AB	DD		C	Resistor(1/16W 470Ω ±1%) [R551] 抵抗
99	VRS-CY1JD471J		AA	DD		C	Resistor(1/16W 470Ω ±5%) [R508,539,543,544] 抵抗
	VRS-CY1JD471J		AA	DD		C	Resistor(1/16W 470Ω ±5%) [R560,574,614] 抵抗
100	VRS-CY1JD472J		AA	DD		C	Resistor(1/16W 4.7KΩ ±5%) [R100,104,107,563,565,519] 抵抗
	VRS-CY1JD472J		AA	DD		C	Resistor(1/16W 4.7KΩ ±5%) [R521,531,537,538,558] 抵抗
	VRS-CY1JD472J		AA	DD		C	Resistor(1/16W 4.7KΩ ±5%) [R562,585,586,599,600] 抵抗
101	VRS-CY1JD473J		AA	DD		C	Resistor(1/16W 47KΩ±5%) [R523,611,612] 抵抗
102	VRS-CY1JD474J		AA	DD		C	Resistor(1/16W 470KΩ ±5%) [R559] 抵抗
103	VRS-CY1JD752F		AA	DD		C	Resistor(1/16W 7.5KΩ ±1%) [R553] 抵抗
104	VRS-CY1JD753J		AA	DD		C	Resistor(1/16W 75KΩ ±5%) [R527] 抵抗
105	VS2SC2412K/-1		AB	DD		B	Transistor(2SC2412K) [Q505] ﾄﾗﾝｼﾞｽﾀｰ
106	VS2SC3198Y/-V		AC	DJ		B	Transistor(2SC3198Y) [Q301,302] ﾄﾗﾝｼﾞｽﾀｰ
107	VSDTA143EK/-1		AB	DD		B	Transistor(DTA143EK) [Q504,506,508,510] ﾄﾗﾝｼﾞｽﾀｰ
108	VSDTC114EK/-1		AB	DD		B	Transistor(DTC114EK) [Q501,502,503,507] ﾄﾗﾝｼﾞｽﾀｰ
	VSDTC114EK/-1		AB	DD		B	Transistor(DTC114EK) [Q509,512,513,514] ﾄﾗﾝｼﾞｽﾀｰ
109	VSUPA502T//-1		AD	DJ		B	Transistor(UPA502T) [Q100,511] ﾄﾗﾝｼﾞｽﾀｰ
110	XHBSD30P06000		AA	DD		C	Screw(3×6) ﾋﾞｽ
111	VRS-CY1JD104J		AA	DD		C	Resistor(1/16W 100KΩ ±5%) [R528,567,576,597] 抵抗
	VRS-CY1JD104J		AA	DD		C	Resistor(1/16W 100KΩ ±5%) [R598,615,616] 抵抗
112	QCNCM7014SC0F		AB	DD		C	Connector(6pin) [CN116] ｺﾈｸﾀｰ
113	QCNCW1169FCZZ		AG	DS		C	Connector(26pin) [CN118] ｺﾈｸﾀｰ
114	QCNCW1170FCZZ		AG	DS		C	Connector(28pin) [CN119] ｺﾈｸﾀｰ
115	QCNCM0991FCZZ		AG	DX		C	Connector [CN117] ｺﾈｸﾀｰ
116	VCEAFA1HN105M		AD	DJ		C	Capacitor(50WV 1μF) [C305,310] ｺﾝﾃﾞﾝｻｰ
117	VRS-CY1JD913F		AA	DD		C	Resistor(1/16W 91KΩ ±1%) [R501] 抵抗
118	VRS-CY1JD114F		AA	DD		C	Resistor(1/16W 110KΩ ±1%) [R509] 抵抗
119	VHiTD62504/-1		AG	DX		B	IC(TD62504) [IC315] IC
	(Unit)						
901	CPWBN1504FC51		CB	TZ		E	PCU Main PWB unit [ARC160] PCU メイン PWB ユニット
	CPWBN1504FC52		BN	ZZ	N	E	PCU Main PWB unit [ARC270/280] PCU メイン PWB ユニット

44 PCU ｻﾌﾞ基板 (PCU Sub PWB unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	QCNCM0923FC10		AE	DJ		C	Connector(10Pin) [CN-D] ｺﾈｸﾀｰ
2	QCNCM0923FC12		AE	DJ		C	Connector(12pin) [CN-E] ｺﾈｸﾀｰ
3	QCNCM0923FC3D		AF	DS		C	Connector(34pin) [CN-A] ｺﾈｸﾀｰ
4	QCNCM7014SC0G		AB	DD		C	Connector(7pin) [CN-C] ｺﾈｸﾀｰ
5	QCNCM7014SC0H		AB	DD		C	Connector(8pin) [CN-B] ｺﾈｸﾀｰ
6	QCNCW0936FCZZ		AD	DJ		C	Connector(14pin) [CN-F] ｺﾈｸﾀｰ
7	QSOCZ6428ACZZ		AE	DS		C	IC socket(28Pin) [IC113] IC ｿｹｯﾄ
8	RCRSQ5030SCZZ		AG	DX		B	Oscillator(8MHz) [X101] ﾊｯｼﾝｼ
9	RFiLN0043FCZZ		AC	DJ		C	EMI filter(ZJSR5101-102) [E103,105] EMI ﾌｨﾙﾀｰ
10	RH-DZ0016FCZZ		AB	DD		B	Diode(MA700) [D102,106,107,108] ﾀﾞｲｵｰﾄﾞ
11	VCCCCY1HH220J		AA	DD		C	Capacitor(50WV 22pF) [C172,173] ｺﾝﾃﾞﾝｻｰ
12	VCEAGA1AW107M		AB	DD		C	Capacitor(10WV 100µF) [C114] ｺﾝﾃﾞﾝｻｰ
13	VCEAGA1AW476M		AA	DD		C	Capacitor(10WV 47µF) [C103,108,116] ｺﾝﾃﾞﾝｻｰ
14	VCEAGA1HW474M		AB	DD		C	Capacitor(50WV 0.47µF) [C113] ｺﾝﾃﾞﾝｻｰ
15	VCEAGA1HW475M		AA	DD		C	Capacitor(50WV 4.7µF) [C175] ｺﾝﾃﾞﾝｻｰ
16	VCEAGA1VW107M		AB	DD		C	Capacitor(35WV 100µF) [C102] ｺﾝﾃﾞﾝｻｰ
	VCEAGA1VW107M		AB	DD		C	Capacitor(35WV 100µF) [ARC160][C184] ｺﾝﾃﾞﾝｻｰ
18	VCEAGU1VW477M		AD	DJ		C	Capacitor(35WV 470µF) [C111] ｺﾝﾃﾞﾝｻｰ
19	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF) [C131,156,157,162,163] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF) [C164,167,169,171] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF) [ARC270/280] [C118,119,120,121,125,126]ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF) [ARC270/280] [C127,128,136,137,138,139] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF) [ARC270/280] [C141,142,143,144] ｺﾝﾃﾞﾝｻｰ
20	VCKYCY1HB222K		AA	DD		C	Capacitor(50WV 2200pF) [C129,134,135,140] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB222K		AA	DD		C	Capacitor(50WV 2200pF) [ARC160][C179,180,187,188] ｺﾝﾃﾞﾝｻｰ
22	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022µF) [C145~155,158~161,165] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HF223Z		AA	DD		C	Capacitor(50WV 0.022µF) [C166,168,170,174,177] ｺﾝﾃﾞﾝｻｰ
23	VCQYNA1HM104K		AB	DD		C	Capacitor(50WV 0.10µF) [C115,176] ｺﾝﾃﾞﾝｻｰ
	VCQYNA1HM104K		AB	DD		C	Capacitor(50WV 0.10µF) [ARC160][C181,189] ｺﾝﾃﾞﾝｻｰ
24	VHDDAN202K/-1		AB	DD		B	Diode(DAN202K) [D115,117~120,126~130,132] ﾀﾞｲｵｰﾄﾞ
25	VHDDAP202K/-1		AB	DD		B	Diode(DAP202K) [D114,116,121~125] ﾀﾞｲｵｰﾄﾞ
	VHDDAP202K/-1		AB	DD		B	Diode(DAP202K) [D131,133~135] ﾀﾞｲｵｰﾄﾞ
26	VHDDSS133//-1		AA	DD		B	Diode(DSS133) [D101,109~113] ﾀﾞｲｵｰﾄﾞ
	VHDDSS133//-1		AA	DD		B	Diode(DSS133) [D136,137,139,148,149] ﾀﾞｲｵｰﾄﾞ
27	VHDDSM1D1//-1		AB	DJ		B	Diode(DSM1D1) [D138] ﾀﾞｲｵｰﾄﾞ
29	VHEHZ12B3//-1		AA	DD		B	Zener diode(HZ12B3) [ZD102] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
30	VHERD22FB//-1		AD	DJ		B	Zener diode(RD22FB) [ZD101] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
31	VHEHZS4C2//-1		AC	DJ		B	Zener diode(HZS4C2) [ZD103] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
32	VHiH83041K12F		BB	GD		B	IC(H83041K12F) [IC112] IC
33	VHiNJM2901N-1		AK	EB		B	IC(NJM2901N) [IC106] IC
34	VHiNJM2904D-1		AG	DS		B	IC(NJM2904D) [IC114] IC
36	VHiCD4052BCN1		AE	DS		B	IC(CD4052BCN1) [IC107] IC
37	VHiTD62504/-1		AG	DX		B	IC(TD62504) [IC109,111] IC
38	VHiULN2004AN1		AE	DS		B	IC(ULN2004AN1) [IC104,110] IC
40	VRD-HT2EY122J		AA	DD		C	Resistor(1/4W 1.2KΩ ±5%) [R113] **抵抗**
41	VRS-CY1JD222J		AA	DD		C	Resistor(1/16W 2.2KΩ ±5%) [R140,219,220] **抵抗**
44	VRN-HT2HK470F		AC	DD		C	Resistor(1/2W 47Ω ±5%) [R116] **抵抗**
46	VRS-RE3AA121J		AC	DD		C	Resistor(1W 120Ω ±5%) [R112] **抵抗**
47	VRS-RE3DA1R0J		AB	DD		C	Resistor(2W 1.0Ω ±5%) [R102,104,105,111] **抵抗**
48	VRS-CY1JD000J		AA	DD		C	Resistor(1/16W 0Ω ±5%) [R160,218,249,250,251,252] **抵抗**
	VRS-CY1JD000J		AA	DD		C	Resistor(1/16W 0Ω ±5%) [ARC160][R239,240,243,244] **抵抗**
49	VRS-CY1JD102J		AA	DD		C	Resistor(1/16W 1.0KΩ ±5%) [R155,176,187,194,195] **抵抗**
	VRS-CY1JD102J		AA	DD		C	Resistor(1/16W 1.0KΩ ±5%) [R196,197,208,212,217] **抵抗**
50	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R138,142,156,165,166] **抵抗**
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R167,168,170,171] **抵抗**
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R188~193,199,201] **抵抗**
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R205,206,207,215,216] **抵抗**
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R224~236] **抵抗**
51	VRS-CY1JD104F		AA	DD		C	Resistor(1/16W 100KΩ ±1%) [R162,181,182,204] **抵抗**
52	VRS-CY1JD104J		AA	DD		C	Resistor(1/16W 100KΩ ±5%) [R163] **抵抗**
53	VRS-CY1JD105J		AA	DD		C	Resistor(1/16W 1MΩ ±5%) [R152,153,157,202,211] **抵抗**
54	VRS-CY1JD122J		AA	DD		C	Resistor(1/16W 1.2KΩ ±5%) [R198] **抵抗**
55	VRS-CY1JD182J		AA	DD		C	Resistor(1/16W 1.8KΩ ±5%) [R161] **抵抗**
58	VRS-CY1JD222J		AA	DD		C	Resistor(1/16W 2.2KΩ ±5%) [R140,219,220] **抵抗**
59	VRS-CY1JD242F		AA	DD		C	Resistor(1/16W 2.4KΩ ±1%) [R151,154,159,203] **抵抗**
60	VRS-CY1JD242J		AA	DD		C	Resistor(1/16W 2.4KΩ ±5%) [R121,124,128,131] **抵抗**
61	VRS-CY1JD393J		AA	DD		C	Resistor(1/16W 39KΩ ±5%) [R183~186] **抵抗**
62	VRS-CY1JD471J		AA	DD		C	Resistor(1/16W 470Ω ±5%) [R164] **抵抗**
65	VRS-CY1JD562J		AA	DD		C	Resistor(1/16W 5.6KΩ ±5%) [R221] **抵抗**
66	VRS-CY1JD680F		AA	DD		C	Resistor(1/16W 68Ω ±1%) [R180] **抵抗**
67	VRS-CY1JD681J		AA	DD		C	Resistor(1/16W 680Ω ±5%) [R123,126] **抵抗**
68	VRS-CY1JD822J		AA	DD		C	Resistor(1/16W 8.2KΩ ±5%) [R158] **抵抗**
69	VS2SA1270Y/-V		AC	DJ		B	Transistor(2SA1270Y) [Q101,103,104,105] ﾄﾗﾝｼﾞｽﾀｰ
70	VS2SC3198Y/-V		AC	DJ		B	Transistor(2SC3198Y) [Q106] ﾄﾗﾝｼﾞｽﾀｰ
71	VS2SD1207-T-1		AD	DJ		B	Transistor(2SD1207-T) [Q102] ﾄﾗﾝｼﾞｽﾀｰ
72	VHiHD74LV14AF		AD	DJ		B	IC(HD74LV14A) [IC108] IC
74	VSDTC114EK/-1		AB	DD		B	Transistor(TC114EK) [Q108] ﾄﾗﾝｼﾞｽﾀｰ

44 PCU ｻﾌﾞ基板 (PCU Sub PWB unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
75	VRD-HT2EY271J		AA	DD		C	Resistor(1/4W 270Ω ±5%) [R114,115] 抵抗
76	VHDD1NL20U+-1		AD	DJ		B	Diode(D1NL20U) [ARC160][D140~147] ﾀﾞｲｵｰﾄﾞ
77	VRS-CY1JD472J		AA	DD		C	Resistor(1/16W 470Ω ±5%) [R127,130,139,210,213] 抵抗
	VRS-CY1JD472J		AA	DD		C	Resistor(1/16W 470Ω ±5%) [R214,223] 抵抗
78	VRS-TS2AD201J		AG	DS		C	Resistor(1/10W 200Ω ±5%) [R222] 抵抗
81	VHiMTD1120+-V		AQ	EQ		B	Motor driver(MTD1120) [ARC160][IC102,103] ﾓｰﾀｰﾄﾞﾗｲﾊﾞｰ
	VHiSLA7027MU/		AQ	EQ		B	Motor driver(SLA7027MU) [ARC270/280][IC102,103] ﾓｰﾀｰﾄﾞﾗｲﾊﾞｰ
82	VRS-CY1JD473J		AA	DD		C	Resistor(1/16W 4.7KΩ ±5%) [ARC270/280] [R117,120,122,129] 抵抗
83	VCKYCY1HB471K		AB	DD		C	Capacitor(50WV 470pF) [ARC270/280][C117,124,132,133] ｺﾝﾃﾞﾝｻｰ
84	VRS-CY1JD752J		AA	DD		C	Resistor(1/16W 7.5KΩ ±5%) [ARC160][R241,242,245,246] 抵抗
85	VHEHZ30BP++-1		AD	DJ		B	Zener diode(HZ30BP) [ARC160][ZD104,105] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
	(Unit)						
901	CPWBN1342FC54		BR	LX		E	PCU sub PWB unit [ARC160] PCU ｻﾌﾞ PWB ﾕﾆｯﾄ
	CPWBN1342FC55		BR	ZZ	N	E	PCU sub PWB unit [ARC270/280] PCU ｻﾌﾞ PWB ﾕﾆｯﾄ
902	VHi27C512J6FC		AX	FQ		B	P-ROM [ARC160] P-ROM
	VHi27C512K1FC		AV	FG	N	B	P-ROM [ARC270/280] P-ROM

47 ICU ﾒｲﾝ基板 (ICU main PWB unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	QCNCM0828FCZZ		AE	DS		C	Connector(26pin) [CN502] ｺﾈｸﾀｰ
2	QCNCM0829FCZZ		AG	DS		C	Connector(28pin) [CN503] ｺﾈｸﾀｰ
3	QCNCM2322SC0H		AF	DJ		C	Connector(8pin) [CN504] ｺﾈｸﾀｰ
4	QCNCM7014SC0i		AB	DD		C	Connector(9pin) [CN506] ｺﾈｸﾀｰ
5	QCNCW1031FCZZ		AG	DS		C	Connector(36pin) [CN505] ｺﾈｸﾀｰ
6	QCNCW1038FCZZ		AP	EQ		C	Connector(100pin) [CN501] ｺﾈｸﾀｰ
7	QSOCZ0073FCZZ		AL	EB		C	Connector(72pin) [CN508,509] ｺﾈｸﾀｰ
8	QSOCZ6428ACZZ		AE	DS		C	IC socket(28pin) [IC9] IC ｿｹｯﾄ
9	RCRS-0046FCZZ		AG	DX		B	Crystal(25MHz) [X1] ｸﾘｽﾀﾙ
10	RCRS-0047FCZZ		AG	DX		B	Crystal(38MHz) [X6] ｸﾘｽﾀﾙ
11	RFiLN0040FCZZ		AE	DS		C	EMI filter(ZJSC-470-331) [NF24~27] EMI ﾌｨﾙﾀｰ
12	RFiLN0041FCZZ		AC	DJ		C	EMI filter(ZJSR5101-222) [NF20~23] EMI ﾌｨﾙﾀｰ
14	RFiLZ1030LCZZ		AE	DJ		C	EMI filter(EXCCET102U) [NF1~5,8,10] EMI ﾌｨﾙﾀｰ
15	RMPTC4103QCJJ		AC	DD		B	Block resistor(10KΩ×4) [BR20,21,26~29,31,32,33] ﾌﾞﾛｯｸﾃｲｺｳ
	RMPTC4103QCJJ		AC	DD		B	Block resistor(10KΩ×4) [BR35,38,39,42,46~52,122,123] ﾌﾞﾛｯｸﾃｲｺｳ
16	RMPTC4220QCJJ		AC	DD		B	Block resistor(22Ω×4) [BR1~9,11~19] ﾌﾞﾛｯｸﾃｲｺｳ
	RMPTC4220QCJJ		AC	DD		B	Block resistor(22Ω×4) [BR22,23,24,25,30,34] ﾌﾞﾛｯｸﾃｲｺｳ
	RMPTC4220QCJJ		AC	DD		B	Block resistor(22Ω×4) [BR36,37,40,41,44] ﾌﾞﾛｯｸﾃｲｺｳ
	RMPTC4220QCJJ		AC	DD		B	Block resistor(22Ω×4) [BR45,53~73,43] ﾌﾞﾛｯｸﾃｲｺｳ
	RMPTC4220QCJJ		AC	DD		B	Block resistor(22Ω×4) [BR116,117,119,120] ﾌﾞﾛｯｸﾃｲｺｳ
17	RMPTC4562QCJJ		AA	DD		B	Block resistor(5.6kΩ×4) [BR74,75] ﾌﾞﾛｯｸﾃｲｺｳ
18	VCCCCY1HH100D		AA	DD		C	Capacitor(50WV 10pF) [C65,72] ｺﾝﾃﾞﾝｻｰ
19	VCCCCY1HH151J		AA	DD		C	Capacitor(50WV 150pF) [C33,104] ｺﾝﾃﾞﾝｻｰ
20	VCCCCY1HH6R0D		AA	DD		C	Capacitor(50WV 6pF) [C21,22] ｺﾝﾃﾞﾝｻｰ
21	VCEAEA0JW107M		AA	DD		C	Capacitor(6.3WV 100μF) [C2,3,5,6] ｺﾝﾃﾞﾝｻｰ
	VCEAEA0JW107M		AA	DD		C	Capacitor(6.3WV 100μF) [C8,17,141,142] ｺﾝﾃﾞﾝｻｰ
22	VCEAGA1AW477M		AB	DD		C	Capacitor(10WV 470μF) [C11,12,15,16,316,322] ｺﾝﾃﾞﾝｻｰ
23	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C18,19,24,25,26,27,29] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C30,32,35,36,37,38] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C41~44] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C46~60,62,64,66,68,69] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C73,74,75,77,80,81] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C84~90,92,93] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C94,96~103] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C105~111,115,116,117,118] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C133,153~160,165] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C169~178] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C307~315,317] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C319,321,323,324,325,326] ｺﾝﾃﾞﾝｻｰ
24	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF) [C20,134~140] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF) [C144~150] ｺﾝﾃﾞﾝｻｰ
25	VCKYTQ1CF225Z		AC	DJ		C	Capacitor(16WV 2.2μF) [C7,9,10,14,61,63,76,78,79,82] ｺﾝﾃﾞﾝｻｰ
	VCKYTQ1CF225Z		AC	DJ		C	Capacitor(16WV 2.2μF) [C83,129~132] ｺﾝﾃﾞﾝｻｰ
27	VHiAT28C64B-1		AZ	FQ		B	IC(AT28C64B) [IC9] IC
28	VHiBA6267F/-1		AG	DX		B	IC(BA6267F) [IC17,40,47,52,57,58] IC
30	VHiDS90C031-1		AW	FG		B	IC(DS90C031) [IC55] IC
31	RH-iX0001FCZZ	3	AR	EQ		B	IC(IX0001)(up to 2002:4 ARC160) [IC19,20,25,26] IC
	VHiUT615125-1	3	AR	EQ		B	IC(UT615125)(from 2002:5 ARC160) [ARC160/270/280] [IC19,20,25,26] IC
32	VHiMCF5202P25		BG	GT		B	IC(MCF5202P25) [IC21] IC
33	VHiM66235FP-1		AT	EZ		B	IC(M66235FP) [IC41,46,48,53] IC
35	VHi74AC08MTCX		AE	DJ		B	IC(74AC08MTCX) [IC27] IC
36	VHiTLC2932/-1		AS	EZ		B	IC(TLC2932) [IC37,45,49,50] IC

47 ICU ﾒｲﾝ基板 (ICU main PWB unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
37	VHi74VHC32MTC		AD	DJ		B	IC(74VHC32MTC) [ARC160][IC35] IC
	VHiVHCT32FT-1		AG	DS		B	IC(VHCT32FT) [ARC270/280][IC35] IC
38	VHiUPD65849GL		BM	HV		B	IC(UPD65849GL) [IC32] IC
39	VHiUPD65949/-		BN	LE		B	IC(UPD65949) [IC30,51] IC
40	VHi74HCU04SJX		AD	DJ		B	IC(74HCU04SJX) [IC8] IC
41	VHi74LCX00MTC		AE	DJ		B	IC(74LCX00MTC) [IC23,43] IC
42	VHi74LCX08MTC		AE	DJ		B	IC(74LCX08MTC) [IC6,38,39,67~72] IC
43	VHi74LCX14MTC		AE	DJ		B	IC(74LCX14MTC) [IC7,16,59,62] IC
44	VHi74LCX245MT		AG	DX		B	IC(74LCX245MT) [IC66] IC
45	VHi74LCX32MTC		AE	DJ		B	IC(74LCX32MTC) [IC24,44] IC
47	VRS-CY1JD000J		AA	DD		C	Resistor(1/16W 0Ω ±5%) [R161,311,312,313] 抵抗
	VRS-CY1JD000J		AA	DD		C	Resistor(1/16W 0Ω ±5%) [R328,329,343] 抵抗
	VRS-CY1JD000J		AA	DD		C	Resistor(1/16W 0Ω ±5%) [ARC160][R162] 抵抗
48	VRS-CY1JD101J		AA	DD		C	Resistor(1/16W 100Ω ±5%) [R25,46,118,139] 抵抗
	VRS-CY1JD101J		AA	DD		C	Resistor(1/16W 100Ω ±5%) [R166,168,170,172] 抵抗
49	VRS-CY1JD102J		AA	DD		C	Resistor(1/16W 1.0KΩ ±5%) [R4,35,115,345] 抵抗
50	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R9,11,12,13,17~22,24] 抵抗
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R28,32,33,36~41,43] 抵抗
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R48,56,61,66,84,99] 抵抗
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R103,121,124,128] 抵抗
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R137,142,145] 抵抗
	VRS-CY1JD103J		AA	DD		C	Resistor(1/16W 10KΩ ±5%) [R342,167,169,171,173] 抵抗
52	VRS-CY1JD105J		AA	DD		C	Resistor(1/16W 1MΩ ±5%) [R3,71,104,108,111] 抵抗
	VRS-CY1JD105J		AA	DD		C	Resistor(1/16W 1MΩ ±5%) [R80,112] 抵抗
53	VRS-CY1JD270J		AA	DD		C	Resistor(1/16W 27Ω ±5%) [R52,75,89,92] 抵抗
54	VRS-CY1JD332J		AA	DD		C	Resistor(1/16W 3.3KΩ ±5%) [R64,101,116,117] 抵抗
55	VRS-CY1JD560J		AA	DD		C	Resistor(1/16W 56Ω ±5%) [R69,87,113,126,317,318] 抵抗
	VRS-CY1JD560J		AA	DD		C	Resistor(1/16W 56Ω ±5%) [R320,321,325,326,327] 抵抗
56	VRS-CY1JD331J		AA	DD		C	Resistor(1/16W 330Ω ±5%) [R2] 抵抗
57	VRS-CY1JD392J		AA	DD		C	Resistor(1/16W 3.9KΩ ±5%) [R51,54,74,77] 抵抗
	VRS-CY1JD392J		AA	DD		C	Resistor(1/16W 3.9KΩ ±5%) [R88,91,95,98] 抵抗
58	VRS-CY1JD472J		AA	DD		C	Resistor(1/16W 4.7KΩ ±5%) [R50,60,73,86,94,96,107] 抵抗
	VRS-CY1JD472J		AA	DD		C	Resistor(1/16W 4.7KΩ ±5%) [R110,163,165] 抵抗
60	VRS-CY1JD561J		AA	DD		C	Resistor(1/16W 560Ω ±5%) [R67,105,122,125] 抵抗
61	VRS-CY1JD562J		AA	DD		C	Resistor(1/16W 5.6KΩ ±5%) [R14,15,16,319] 抵抗
62	VSDTC114YK/-1		AC	DD		B	Transistor(DTC114YK) [IC33,73] ﾄﾗﾝｼﾞｽﾀｰ
63	VS2SA673-C/-1		AE	DS		B	Transistor(2SA673) [Q2,4,5,6] ﾄﾗﾝｼﾞｽﾀｰ
64	VS2SC945///-1		AD	DJ		B	Transistor(2SC945) [Q1,3,7,8] ﾄﾗﾝｼﾞｽﾀｰ
65	QCNCW1047FCZZ		AH	DX		C	Connector(5pin) [CN510] ｺﾈｸﾀｰ
66	RFiLF0045FCZZ		AD	DJ		C	Tip inductor(1.8uH) [L1,2] ﾁｯﾌﾟｲﾝﾀﾞｸﾀ
67	VCKYCY1EF103Z		AA	DD		C	Capacitor(25WV 0.03μF) [C167,168] ｺﾝﾃﾞﾝｻｰ
68	VHDDAN202K/-1		AB	DD		B	Diode(DAN202K) [D4,6,8,10] ﾀﾞｲｵｰﾄﾞ
69	VHDDAP202K/-1		AB	DD		B	Diode(DAP202K) [D5,7,9,11] ﾀﾞｲｵｰﾄﾞ
70	VHiAK8480//-1		BA	FX		B	IC(AK8480) [IC29,36,54,64] IC
71	VHiVHCT14AM-1		AE	DJ		B	IC(VHCT14AM) [IC28,34] IC
72	VHiSD6408-066		BG	GT		B	IC(SD6408) [ARC160][IC1~4,11~14] IC
	VHiSD6408-066		BG	GT		B	IC(SD6408) [ARC160][IC75~82] IC
	VHi59SM708+-1		BH	GX		B	IC(59SM708) [ARC270/280][IC1~4,11~14] IC
	VHi59SM708+-1		BH	GX		B	IC(59SM708) [ARC270/280][IC75~82] IC
73	VHPLT1F67AF-1		AC	DJ		B	LED(LT1F67AF) [LED1,2] LED
74	VRS-CY1JD153F		AA	DD		C	Resistor(1/16W 15KΩ±1%) [R26,119,140] 抵抗
75	VRS-CY1JD201J		AA	DD		C	Resistor(1/16W 200Ω±5%) [R174,175] 抵抗
76	VRS-CY1JD133F		AA	DD		C	Resistor(1/16W 13KΩ±1%) [R340] 抵抗
77	VCKYTQ1CF225Z		AC	DJ		C	Capacitor(16WV 2.2μF) [C127,128,143] ｺﾝﾃﾞﾝｻｰ
78	VS2SK3019++-1		AC	DJ		B	Transistor(2SK3019) [Q10] ﾄﾗﾝｼﾞｽﾀｰ
79	VRS-CY1JD330J		AA	DD		C	Resistor(1/16W 33Ω±5%) [R300~303] 抵抗
80	VRS-CY1JD820J		AA	DD		C	Resistor(1/16W 82Ω±5%) [R314,315,316,322] 抵抗
	VRS-CY1JD820J		AA	DD		C	Resistor(1/16W 82Ω±5%) [R323,330,331] 抵抗
81	VRS-CY1JD121J		AA	DD		C	Resistor(1/16W 120Ω±5%) [R324] 抵抗
82	VRS-CY1JD222F		AA	DD		C	Resistor(1/16W 2.2KΩ±1%) [R341] 抵抗
83	VCCCCY1HH4R0C		AA	DD		C	Capacitor(50WV 4pF) [C71] ｺﾝﾃﾞﾝｻｰ
84	RCRSP0067FCZZ		AG	DX		B	Crystal(45.5MHz) [X5] ｸﾘｽﾀﾙ
85	VHiCY2305SC-1		AU	EZ		B	IC(CY2305SC) [IC18,65] IC
86	VRD-HT2EY103J		AA	DD		C	Resistor(1/4W 10KΩ±5%) [ARC270/280][C142+~R327] 抵抗
	(Unit)						
901	CPWBN1434FC66		DC	**		E	ICU Main PWB unit [ARC160] ICU ﾒｲﾝ PWB ﾕﾆｯﾄ
	CPWBN1434FC67		BL	ZZ	N	E	ICU Main PWB unit [ARC270/280] ICU ﾒｲﾝ PWB ﾕﾆｯﾄ

49 ICU SCN 基板 (ICU SCN PWB)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	QCNCM1030FCZZ		AV	FG		C	Connector(100pin) [CN533] ｺﾈｸﾀｰ
2	QCNCM1069AC0H		AE	DJ		C	Connector(8pin) [CN537] ｺﾈｸﾀｰ
3	QCNCW1029FCZZ		AL	EB		C	Connector(40pin) [CN531] ｺﾈｸﾀｰ
4	QCNCW1031FCZZ		AG	DS		C	Connector(36pin) [CN534] ｺﾈｸﾀｰ
5	QCNCM7022SC0B		AB	DD		C	Connector(2pin) [CN539] ｺﾈｸﾀｰ
6	QCNCW1052FCZZ		AH	DX		C	Connector(8802-040-170S) [CN538] ｺﾈｸﾀｰ
8	RFiLN0041FCZZ		AC	DJ		C	EMI filter(ZJSR5101-222) [NF100,101] EMI ﾌｨﾙﾀｰ
9	RMPTC4101QCJJ		AC	DD		B	Block resistor(100Ω×4) [NR212~216] ﾌﾞﾛｯｸﾃｲｺｳ
10	RMPTC4470QCJJ		AC	DD		B	Block resistor(47Ω×4) [NR208~211,223,224] ﾌﾞﾛｯｸﾃｲｺｳ
	RMPTC4470QCJJ		AC	DD		B	Block resistor(47Ω×4) [227,228,235,236,250,251] ﾌﾞﾛｯｸﾃｲｺｳ
11	VCEAGA1AW107M		AB	DD		C	Capacitor(10WV 100μF) [C101,108,114,139] ｺﾝﾃﾞﾝｻｰ
	VCEAGA1AW107M		AB	DD		C	Capacitor(10WV 100μF) [140,149,160,190] ｺﾝﾃﾞﾝｻｰ
12	VCEAGU1AW476M		AA	DD		C	Capacitor(10WV 47μF) [C116,119,144,151,167,186] ｺﾝﾃﾞﾝｻｰ
13	VCKYCY1HB102K		AA	DD		C	Capacitor(50WV 1000pF) [C191,192] ｺﾝﾃﾞﾝｻｰ
14	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C100,102~107] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C109~113,115,117,118] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C120~138,141~143] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C145~148,150,152~159] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C161~165,168~172] ｺﾝﾃﾞﾝｻｰ
	VCKYCY1EF104Z		AA	DD		C	Capacitor(25WV 0.10μF) [C175~185,187~189] ｺﾝﾃﾞﾝｻｰ
15	VCKYCY1HB221K		AB	DD		C	Capacitor(50WV 220pF) [C203] ｺﾝﾃﾞﾝｻｰ
16	VHiMSM518222/		AZ	FX		B	IC(MSM518222) [IC102,112] IC
17	VHiM66393-001		BS	MJ		B	IC(M66393-001) [IC101,103,111] IC
18	VHi74VHCT08AJ		AD	DJ		B	IC(74VHCT08AJ) [IC201] IC
19	VHi74VHC244MT		AF	DS		B	IC(74VHC244MT) [IC106,109,110] IC
20	VHiUPD65841GM		BB	GD		B	IC(UPD65841GM) [IC104] IC
21	VHi74LCX32MTC		AE	DJ		B	IC(74LCX32MTC) [IC100] IC
23	VRS-TS2AD101J		AA	DD		C	Resistor(1/10W 100Ω ±5%) [R206~210,219,233,502] 抵抗
24	VRS-TS2AD103J		AA	DD		C	Resistor(1/10W 10KΩ ±5%) [R223,504] 抵抗
25	VRS-TS2AD201J		AG	DS		C	Resistor(1/10W 200Ω ±5%) [R211,212,215,248] 抵抗
	VRS-TS2AD201J		AG	DS		C	Resistor(1/10W 200Ω ±5%) [R249,250,501] 抵抗
26	VRS-TS2AD330J		AA	DD		C	Resistor(1/10W 33Ω ±5%) [R258] 抵抗
27	VRS-TS2AD332J		AA	DD		C	Resistor(1/10W 3.3KΩ±5%) [R259] 抵抗
28	VRS-TS2AD470J		AA	DD		C	Resistor(1/10W 47Ω ±5%) [R216,220,221,222] 抵抗
	VRS-TS2AD470J		AA	DD		C	Resistor(1/10W 47Ω ±5%) [R232,235,236] 抵抗
29	VRS-TS2AD681J		AA	DD		C	Resistor(1/10W 680Ω ±5%) [R503] 抵抗
30	DHAi-3368FCZZ		AG	DS	N	C	PRT clock harness PRT ｸﾛｯｸﾊｰﾈｽ
	(Unit)						
901	CPWBN1436FC52		CH	UP		E	ICU SCN PWB unit ICU SCN PWB ﾕﾆｯﾄ

54 OP 基板 右 (OP PWB R unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	QCNCW1027FCZZ		AE	DJ		C	Connector(11pin) [CN-D] ｺﾈｸﾀｰ
2	QCNCW1028FCZZ		AD	DJ		C	Connector(9pin) [CN-C] ｺﾈｸﾀｰ
3	QSW-P0008QSZZ		AC	DJ		B	Switch(EVQ-23G-04K) [K~9K,AUDK,PRGK,INTK] ｽｲｯﾁ
	QSW-P0008QSZZ		AC	DJ		B	Switch(EVQ-23G-04K) [CAK,CLK,BPK,CPK] ｽｲｯﾁ
4	RALMB1002LCZZ		AE	DS		B	Alarm(PKM13EPY) [BZ1] ｱﾗｰﾑ
5	RCRS-0007FCZZ		AD	DJ		B	Crystal(CSB480EB) [X1] ｸﾘｽﾀﾙ
6	VCEAJA1CW476M		AB	DD		C	Capacitor(16WV 47μF) [C4] ｺﾝﾃﾞﾝｻｰ
7	VCKYPU1EB223Z		AB	DD		C	Capacitor(250WV 0.022μF) [C1,3] ｺﾝﾃﾞﾝｻｰ
8	VCKYPU1HB101K		AA	DD		C	Capacitor(50WV 100pF) [C5,6] ｺﾝﾃﾞﾝｻｰ
9	VHH103AT-2/-1		AG	DS		B	Thermistor(103AT-2) [TH1] ｻｰﾐｽﾀｰ
10	VHiS1340AF+-1		AH	DX		B	IC(LR3717M) [IC1] IC
11	VHPLT9400E/-1		AK	EB		B	LED(LT9400E) [INTL] LED
12	VHPMPG3864K-J		AC	DJ		B	LED(MPG3864K) [BPRL,BPRL1,BPRL2,CPRL,CPRL1,CPRL2] LED
13	VRD-HT2EY102J		AA	DD		C	Resistor(1/4W 1.0KΩ ±5%) [R8] 抵抗
15	VRD-HT2EY151J		AA	DD		C	Resistor(1/4W 150Ω ±5%) [R1,2,3,10~16] 抵抗
16	VSDTC114YS/-1		AB	DD		B	Transistor(DTC114YS) [Q1] ﾄﾗﾝｼﾞｽﾀｰ
18	VHDDSS133//-1		AA	DD		B	Diode(DSS133) [D1] ﾀﾞｲｵｰﾄﾞ
	(Unit)						
901	CPWBF1507FC81		BC	GJ		E	OP PWB R unit OP PWB R ﾕﾆｯﾄ

55 OP 基板 左 (OP PWB L unit)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	QCNCW1024FCZZ		AB	DJ		C	Connector(5pin) [CN-B] ｺﾈｸﾀｰ
2	QCNCW1026FCZZ		AD	DJ		C	Connector(9pin) [CN-A] ｺﾈｸﾀｰ
3	QSW-P0008QSZZ		AC	DJ		B	Switch(EVQ-23G-04K) [COK,PRK] ｽｲｯﾁ
4	VHPMPG3864K-J		AC	DJ		B	LED(MPG3864K) [COPY,COPY1,PRT,PRT1,SDATA] LED
5	VRD-HT2EY151J		AA	DD		C	Resistor(1/4W 150Ω ±5%) [R17,19] 抵抗
6	VRD-HT2EY471J		AA	DD		C	Resistor(1/4W 470Ω ±5%) [R4,5,6,7] 抵抗
8	VHDDSS133//-1		AA	DD		B	Diode(DSS133) [D1] ﾀﾞｲｵｰﾄﾞ
	(Unit)						
901	CPWBF1508FC81		BD	GJ		E	OP PWB L unit OP PWB L ﾕﾆｯﾄ

64 ｺﾈｸﾀｰ基板 (Connector PWB)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	QCNCM0880FCZZ		AF	DS		C	Connector(26pin) [CN708] ｺﾈｸﾀｰ
2	QCNCM0923FC18		AF	DS		C	Connector(18pin) [CN711] ｺﾈｸﾀｰ
3	QCNCM0923FC24		AF	DS		C	Connector(24pin) [CN713] ｺﾈｸﾀｰ
4	QCNCM0991FCZZ		AG	DX		C	Connector(30pin) [CN707] ｺﾈｸﾀｰ
5	QCNCM1014FCZZ		AE	DJ		C	Connector(4pin) [CN709] ｺﾈｸﾀｰ
6	QCNCM1176FCZZ		AF	DS		C	Connector(20pin) [CN712] ｺﾈｸﾀｰ
7	QCNCM1177FCZZ		AG	DX		C	Connector(34pin) [CN715] ｺﾈｸﾀｰ
8	QCNCM7014SC0D		AB	DD		C	Connector(4pin) [CN710] ｺﾈｸﾀｰ
9	QCNCM7014SC0F		AB	DD		C	Connector(6pin) [CN701,702,703,704] ｺﾈｸﾀｰ
10	QCNCW1124LC0H		AC	DJ		C	Connector(8pin) [CN714] ｺﾈｸﾀｰ
11	QCNCW1169FCZZ		AG	DS		C	Connector(26pin) [CN706] ｺﾈｸﾀｰ
12	QCNCW1170FCZZ		AG	DS		C	Connector(28pin) [CN705] ｺﾈｸﾀｰ
13	RMPTC8103QCJB		AC	DD		B	Block resistor(10KΩ×8) [BR101] ﾌﾞﾛｯｸﾃｲｺｳ
14	VCEAGA1AW476M		AA	DD		C	Capacitor(10WV 47μF) [C207,209] ｺﾝﾃﾞﾝｻｰ
15	VCEAGA1CW106M		AA	DD		C	Capacitor(16WV 10μF) [C110,116,117,127,136] ｺﾝﾃﾞﾝｻｰ
16	VCEAGA1VW108M		AG	ZT		C	Capacitor(35WV 1000μF) [C201,203] ｺﾝﾃﾞﾝｻｰ
17	VCKYPU1HB102K		AA	DD		C	Capacitor(50WV 0.001uF) [C102,103,104,118,119,120] ｺﾝﾃﾞﾝｻｰ
18	VCKYPU1HB222K		AA	DD		C	Capacitor(50WV 2200pF) [C111,112,122,124] ｺﾝﾃﾞﾝｻｰ
	VCKYPU1HB222K		AA	DD		C	Capacitor(50WV 2200pF) [C130,131,138,139] ｺﾝﾃﾞﾝｻｰ
19	VCKYPU1HB471K		AA	DD		C	Capacitor(50WV 470pF) [C109,113,123,125] ｺﾝﾃﾞﾝｻｰ
	VCKYPU1HB471K		AA	DD		C	Capacitor(50WV 470pF) [C129,132,134,140] ｺﾝﾃﾞﾝｻｰ
20	VCKYPA1HF223Z		AA	DD		C	Capacitor(50WV 22000pF) [C108,114,121,128,135] ｺﾝﾃﾞﾝｻｰ
	VCKYPA1HF223Z		AA	DD		C	Capacitor(50WV 22000pF) [C202,204,206,208,210] ｺﾝﾃﾞﾝｻｰ
21	VHiSLA7027MU/		AQ	EQ		B	IC(SLA7027MU) [IC101,104,105,106] IC
22	VHiTA8415P/-1		AQ	EQ		B	IC(TA8415P) [IC101,104,105,106] IC
23	VHiTD62504/-1		AG	DX		B	IC(TD62504) [IC101,104,105,106] IC
24	VRD-HT2EY101J		AA	DD		C	Resistor(1/4W 100Ω ±5%) [R103,113,118,133] 抵抗
25	VRD-HT2EY242J		AA	DD		C	Resistor(1/4W 2.4KΩ ±5%) [R104,105,111,112] 抵抗
	VRD-HT2EY242J		AA	DD		C	Resistor(1/4W 2.4KΩ ±5%) [R120,121,132,134] 抵抗
26	VRD-HT2EY472J		AA	DD		C	Resistor(1/4W 4.7KΩ ±5%) [R125,126,129,130] 抵抗
27	VRD-HT2EY473J		AA	DD		C	Resistor(1/4W 47KΩ ±5%) [R101,108,109,116] 抵抗
	VRD-HT2EY473J		AA	DD		C	Resistor(1/4W 47KΩ ±5%) [R117,124,127,131] 抵抗
28	VRD-HT2EY511J		AA	DD		C	Resistor(1/4W 510Ω ±5%) [R102,110,119,128] 抵抗
29	VRS-HT3DA1R0J		AB	DD		C	Resistor(2W 1.0Ω ±5%) [R106,107,114,115] 抵抗
	VRS-HT3DA1R0J		AB	DD		C	Resistor(2W 1.0Ω ±5%) [R122,123,135,136] 抵抗
30	VSDTC114ES/-1		AB	DD		B	Transistor(DTC114ES) [Q101] ﾄﾗﾝｼﾞｽﾀｰ
	(Unit)						
901	CPWBN1503FC51		BN	LE		E	Connector PWB ｺﾈｸﾀｷﾊﾞﾝ

65 ｴﾅｼﾞｰｽﾀｰﾘﾚｰ基板 (Enagy Star Relay PWB)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	LSUPP0121FCZZ		AC	DJ		C	Supporter(SPSN-7U) ｻﾎﾟｰﾀｰ
2	QCNCM0923FC10		AE	DJ		C	Connector(10pin) [CN804] ｺﾈｸﾀｰ
3	QCNCM0923FC12		AE	DJ		C	Connector(12pin) [CN801] ｺﾈｸﾀｰ
4	QCNCM1069ACZZ		AD	DD		C	Connector(6pin) [CN802] ｺﾈｸﾀｰ
5	QCNCM1179FCZZ		AG	DX		C	Connector(8pin) [CN803] ｺﾈｸﾀｰ
6	QCNCW0864FCZZ		AG	DX		C	Connector(12pin) [CN800] ｺﾈｸﾀｰ
7	RRLYD1121QCZZ		AK	DX		B	Relay(ALKS322) [RY802] ﾘﾚｰ
8	RRLYD1122QCZZ	6	AL	EB		B	Relay(up to 2001:11 ARC160) [RY800,801] ﾘﾚｰ
9	RRLYD1422QCZZ	3	AK	DX		B	Relay(up to 2001:11 ARC160) [RY803] ﾘﾚｰ
	RRLYD1123QCZZ	3	AM	EG		B	Relay(G2R-2A-ASI)(from 2001:12 ARC160) [ARC160/270/280] [RY803] ﾘﾚｰ
10	VHDDSS133//-1	6	AA	DD		B	Diode(1SS133)(up to 2001:11 ARC160) [D800,801] ﾀﾞｲｵｰﾄﾞ
	VHDDSS133//-1	6	AA	DD		B	Diode(1SS133)(from 2001:12 ARC160) [ARC160/270/280] [D802,803,805] ﾀﾞｲｵｰﾄﾞ
11	VRD-HT2EY102J		AA	DD		C	Resistor(1/4W 1.0KΩ ±5%) [R800,801] 抵抗
	VRD-HT2EY102J	6	AA	DD		C	Resistor(1/4W 1.0KΩ ±5%)(from 2001:12 ARC160) [ARC160/270/280] [R807] 抵抗

65 ｴﾅｼﾞｰｽﾀｰﾘﾚｰ基板 (Enagy Star Relay PWB)

NO.	PARTS CODE	COM PATI BLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
12	VS2SC3198Y／−V		AC	DJ		B	Transistor(2SC3198Y) [TR800] ﾄﾗﾝｼﾞｽﾀｰ
14	VS2SJ494＋＋＋−1	6	AL	EB		B	Transistor(2SJ494)(from 2001:12 ARC160) [ARC160/270/280] [Q801,802] ﾄﾗﾝｼﾞｽﾀｰ
15	VS2SJ377＋＋＋−1	6	AG	DX		B	Transistor(2SJ377)(from 2001:12 ARC160) [ARC160/270/280] [Q801,802] ﾄﾗﾝｼﾞｽﾀｰ
16	VRD−HT2EY242J	6	AA	DD		C	Resistor(1/4W 2.4KΩ ±5%)(from 2001:12 ARC160) [ARC160/270/280] [R802,804] 抵抗
17	VRD−HT2EY272J	6	AA	DD		C	Resistor(1/4W 2.7KΩ ±5%)(from 2001:12 ARC160) [ARC160/270/280] [R803,805] 抵抗
18	VRD−HT2EY472J	6	AA	DD		C	Resistor(1/4W 4.7KΩ ±5%)(from 2001:12 ARC160) [ARC160/270/280] [R806] 抵抗
19	VRD−HT2EY201J	6	AA	DD		C	Resistor(1/4W 200Ω ±5%)(up to 2001:11 ARC160) [PSPR] 抵抗
20	VRG−ST2EBR33J	6	AC	DD		B	Fuse Resistor(1/4W 0.33Ω ±5%)(from 2001:11 ARC160) [ARC160/270/280] [FR801] ﾋｭｰｽﾞ抵抗
21	VCEAGA1CW106M	6	AA	DD		C	Capacitor(16WV 100μF)(from 2001:12 ARC160) [ARC160/270/280] [C804] ｺﾝﾃﾞﾝｻｰ
22	VCEAGA1VW476M	6	AB	DD		C	Capacitor(35WV 100μF)(from 2001:12 ARC160) [ARC160/270/280] [C802,803] ｺﾝﾃﾞﾝｻｰ
	(Unit)						
901	CPWBF1497FC51	3	BC	GJ		E	Enagy Star Relay PWB(up to 2001:11 ARC160) ｴﾅｼﾞｰｽﾀｰﾘﾚｰ基板
	CPWBF1497FC52	3	BC	GD		E	Enagy Star Relay PWB(from 2001:12 ARC160) [ARC160/270/280] ｴﾅｼﾞｰｽﾀｰﾘﾚｰ基板

66 電源基板 100V 系 (Power supply PWB 100Vseries)

NO.	PARTS CODE	COM PATI BLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
1	0FT13519279／／		AF	DS		C	Resistor(SPR1/2 120ΩJ) [R3] 電力形被膜抵抗器
2	0FT13519279／／		AF	DS		C	Resistor(SPR1/2 120ΩJ) [R7] 電力形被膜抵抗器
3	0FT14356888／／		AZ	FQ		B	Relay(OMIH-SS-124LM DC24V) [RL1] 補助継電器
4	0FT23006212／／		AP	EQ		B	IC(MB3759M) [Z5] IC
5	0FT23006212／／		AP	EQ		B	IC(MB3759M) [Z6] IC
6	0FT23034135／／		AC	DJ		C	Screw(M3X8 BS SNP) [10] ｳｽｱﾀﾏﾈｼﾞ
7	0FT23034348／／		AR	EQ		B	Spark killer(AU-1201) [SQ1] ｽﾊﾟｰｸｷﾗｰ
8	0FT23034348／／		AR	EQ		B	Spark killer(AU-1201) [SQ2] ｽﾊﾟｰｸｷﾗｰ
10	0FT23105423／／		AE	DS		C	Connector(RT-01N-2.3A) [TB1] ｺﾈｸﾀｰ
11	0FT23188728／／		AP	EQ		C	Capacitor(KME35VB-2200) [C43] 電解ｺﾝﾃﾞﾝｻｰ
12	0FT23194256／／		AR	EQ		B	Diode(S1WB A 60) [RC2] 整流器
13	0FT23285758／／		AK	DX		B	Diode(RG2A) [D8] ﾀﾞｲｵｰﾄﾞ
14	0FT23339688／／		AK	DX		C	Angle(EGC-20E 12X50X10.8 M3) [5] 金具
15	0FT23375323／／		AR	EQ		C	Reactor(HK-10S100-4500) [L9] ﾘｱｸﾄﾙ
16	0FT23397858／／		AK	DX		C	Connector(B2P3-VH) [CN3] ｺﾈｸﾀｰ
17	0FT23405087／／		AN	EG		B	Transistor(2SC3852A) [Q6] ﾄﾗﾝｼﾞｽﾀｰ
18	0FT23413403／／		AU	EZ		B	Diode(ESAD92M-03) [RC4] 整流器
19	0FT23413454／／		BC	GJ		C	Reactor(HK-20D160-1810) [L5] ﾘｱｸﾄﾙ
20	0FT23432963／／		AC	DJ		C	Screw(M3X10 S NP3 W.SW) [8] 小ﾜｯｼｬ W ｾﾑｽﾈｼﾞ
21	0FT23437531／／		AG	DX		C	Ferrite bead(B-20L-48B) [FB3] ﾌｪﾗｲﾄﾋﾞｰｽﾞ
22	0FT23437531／／		AG	DX		C	Ferrite bead(B-20L-48B) [FB4] ﾌｪﾗｲﾄﾋﾞｰｽﾞ
23	0FT23453847／／		AC	DJ		C	Screw(M3X12 S NP3 W.SW) [9] 小ﾜｯｼｬ W ｾﾑｽﾈｼﾞ
24	0FT23479358／／		AP	EQ		C	Connector(B6B-PH-K-S) [CN2] ｺﾈｸﾀｰ
25	0FT23537900／／		AD	DJ		C	Resistor(RSMF2B 22ΩJ) [R53] 酸化金属被膜抵抗器
26	0FT23538524／／		AG	DX		C	Resistor(RSMF3B 33KΩJ) [R33] 酸化金属被膜抵抗器
27	0FT23562794／／		AD	DJ		C	Resistor(RSMF1SL 1ΩJ) [R49] 酸化金属被膜抵抗器
28	0FT23562816／／		AC	DJ		C	Resistor(RSMF1SL 2.2ΩJ) [R19] 酸化金属被膜抵抗器
29	0FT23562859／／		AD	DJ		C	Resistor(RSMF1SL 10ΩJ) [R127] 酸化金属被膜抵抗器
30	0FT23562859／／		AD	DJ		C	Resistor(RSMF1SL 10ΩJ) [R128] 酸化金属被膜抵抗器
31	0FT23562859／／		AD	DJ		C	Resistor(RSMF1SL 10ΩJ) [R157] 酸化金属被膜抵抗器
32	0FT23562859／／		AD	DJ		C	Resistor(RSMF1SL 10ΩJ) [R158] 酸化金属被膜抵抗器
33	0FT23562956／／		AD	DJ		C	Resistor(RSMF1SL 220ΩJ) [R8] 酸化金属被膜抵抗器
34	0FT23563103／／		AD	DJ		C	Resistor(RSMF1SL 47KΩJ) [R10] 酸化金属被膜抵抗器
35	0FT23563103／／		AD	DJ		C	Resistor(RSMF1SL 47KΩJ) [R11] 酸化金属被膜抵抗器
36	0FT23563286／／		AC	DJ		C	Resistor(RSMF2SL 22ΩJ) [R52] 酸化金属被膜抵抗器
37	0FT23563316／／		AC	DJ		C	Resistor(RSMF2SL 68ΩJ) [R35] 酸化金属被膜抵抗器
38	0FT23563421／／		AD	DJ		C	Resistor(RSMF2SL 4.7KΩJ) [R13] 酸化金属被膜抵抗器
39	0FT23563421／／		AD	DJ		C	Resistor(RSMF2SL 4.7KΩJ) [R14] 酸化金属被膜抵抗器
40	0FT23563421／／		AD	DJ		C	Resistor(RSMF2SL 4.7KΩJ) [R15] 酸化金属被膜抵抗器
41	0FT23563456／／		AC	DJ		C	Resistor(RSMF2SL 10KΩJ) [R26] 酸化金属被膜抵抗器
42	0FT23563456／／		AC	DJ		C	Resistor(RSMF2SL 10KΩJ) [R32] 酸化金属被膜抵抗器
43	0FT23563626／／		AG	DX		C	Resistor(RSMF3SL 10ΩJ) [R30] 酸化金属被膜抵抗器
44	0FT23563863／／		AG	DX		C	Resistor(RSMF3SL 33KΩJ) [R34] 酸化金属被膜抵抗器
45	0FT23611329／／		AK	DX		C	Capacitor(MMC-104K400) [C26] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
46	0FT23611329／／		AK	DX		C	Capacitor(MMC-104K400) [C58] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
47	0FT23611329／／		AK	DX		C	Capacitor(MMC-104K400) [C67] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
48	0FT23611329／／		AK	DX		C	Capacitor(MMC-104K400) [C81] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
49	0FT23637387／／		AK	DX		C	Screw(S SNP1 M3X8) [11] 特殊ﾈｼﾞ
50	0FT23642909／／		AK	DX		C	Reactor(TG01020413MADS SK) [L10] ﾘｱｸﾄﾙ
51	0FT23642909／／		AK	DX		C	Reactor(TG01020413MADS SK) [L11] ﾘｱｸﾄﾙ

66 電源基板 100V 系 (Power supply PWB 100Vseries)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
52	0FT23642909//		AK	DX		C	Reactor(TG01020413MADS SK)	[L12] ﾘｱｸﾄﾙ
53	0FT23642917//		AG	DX		C	Reactor(TG01020413MADS SK)	[L21] ﾘｱｸﾄﾙ
54	0FT23644634//		AK	DX		B	Variable resistor(EVM-4LGA00B13)	[RV2] 可変抵抗器
55	0FT23652300//		BA	FX		B	Photo coupler(S21ME3FY 0884)	[PC4] ﾌｫﾄｶﾌﾟﾗｰ
56	0FT23652300//		BA	FX		B	Photo coupler(S21ME3FY 0884)	[PC5] ﾌｫﾄｶﾌﾟﾗｰ
57	0FT23665984//		AU	EZ		C	Diode(D15XB60)	[RC1] 整流器
58	0FT23667731//		AF	DS		C	Resistor(RNM14FX 560Ω DK)	[RX31] 金属被膜抵抗器
59	0FT23706486//		AR	EQ		B	Surge absorber(ERZV14D471)	[NR1] ｻｰｼﾞｱﾌﾞｿｰﾊﾞ
60	0FT23716503//		AF	DS		C	Resistor(RNM14FX 470Ω DK)	[RX30] 金属被膜抵抗器
⚠ 61	0FT23723127//		AK	DX		A	Fuse(FBT6.3 AC125V 6.3A)	[F2] ｶﾞﾗｽ管ﾋｭｰｽﾞ
62	0FT23740277//		AK	DX		B	Variable resistor(EVM-4LGA00B12)	[RV1] 可変抵抗器
⚠ 63	0FT23761126//		AG	DX		A	Fuse(FBT4 AC125V 4A)	[F3] ｶﾞﾗｽ管ﾋｭｰｽﾞ
⚠ 64	0FT23761126//		AG	DX		A	Fuse(FBT4 AC125V 4A)	[F4] ｶﾞﾗｽ管ﾋｭｰｽﾞ
65	0FT23767299//		BF	GN		C	Capacitor(KMH200VNSN-1800-35F DIA35X50L)	[C16] 電解ｺﾝﾃﾞﾝｻｰ
66	0FT23095657//		AF	DS		B	Transistor(2SC1815-Y:GR TPE2)	[Q5] ﾄﾗﾝｼﾞｽﾀｰ
67	0FT23095657//		AF	DS		B	Transistor(2SC1815-Y:GR TPE2)	[Q7] ﾄﾗﾝｼﾞｽﾀｰ
68	0FT23095657//		AF	DS		B	Transistor(2SC1815-Y:GR TPE2)	[Q12] ﾄﾗﾝｼﾞｽﾀｰ
69	0FT23124843//		AP	EQ		C	Capacitor(KME10VB-2200 TC-03)	[C68] 電解ｺﾝﾃﾞﾝｻｰ
70	0FT23124843//		AP	EQ		C	Capacitor(KME10VB-2200 TC-03)	[C69] 電解ｺﾝﾃﾞﾝｻｰ
71	0FT23204790//		AP	EQ		C	Capacitor(KME35VB-100 TC-04)	[C15] 電解ｺﾝﾃﾞﾝｻｰ
72	0FT23204790//		AP	EQ		C	Capacitor(KME35VB-100 TC-04)	[C30] 電解ｺﾝﾃﾞﾝｻｰ
73	0FT23259447//		AK	DX		C	Capacitor(KME50VB-1 TC-04)	[CX21] 電解ｺﾝﾃﾞﾝｻｰ
74	0FT23259447//		AK	DX		C	Capacitor(KME50VB-1 TC-04)	[CX25] 電解ｺﾝﾃﾞﾝｻｰ
75	0FT23259498//		AK	DX		C	Capacitor(KME50VB-10 TC-04)	[C115] 電解ｺﾝﾃﾞﾝｻｰ
76	0FT23259498//		AK	DX		C	Capacitor(KME50VB-10 TC-04)	[C135] 電解ｺﾝﾃﾞﾝｻｰ
77	0FT23259536//		AP	EQ		C	Capacitor(KME63VB-100 TC-04)	[C34] 電解ｺﾝﾃﾞﾝｻｰ
78	0FT23287637//		AP	EQ		B	Transistor(2SA1020-O:Y TPE6)	[Q3] ﾄﾗﾝｼﾞｽﾀｰ
79	0FT23287637//		AP	EQ		B	Transistor(2SA1020-O:Y TPE6)	[Q23] ﾄﾗﾝｼﾞｽﾀｰ
80	0FT23287637//		AP	EQ		B	Transistor(2SA1020-O:Y TPE6)	[Q26] ﾄﾗﾝｼﾞｽﾀｰ
81	0FT23287823//		AK	DX		C	Capacitor(KME50VB-22 TC-04)	[C111] 電解ｺﾝﾃﾞﾝｻｰ
82	0FT23287823//		AK	DX		C	Capacitor(KME50VB-22 TC-04)	[C131] 電解ｺﾝﾃﾞﾝｻｰ
83	0FT23314863//		AF	DS		B	Zener diode(RD6.8ES-B3 TA11R)	[D6] ﾂｪﾅ - ﾀﾞｲｵｰﾄﾞ
84	0FT23314871//		AF	DS		B	Zener diode(RD6.2ES-B2 TA11R)	[D11] ﾂｪﾅ - ﾀﾞｲｵｰﾄﾞ
85	0FT23314936//		AF	DS		B	Zener diode(RD5.6ES-B2 TA11R)	[D27] ﾂｪﾅ - ﾀﾞｲｵｰﾄﾞ
86	0FT23314944//		AF	DS		B	Zener diode(RD6.8ES-B2 TA11R)	[D20] ﾂｪﾅ - ﾀﾞｲｵｰﾄﾞ
87	0FT23314944//		AF	DS		B	Zener diode(RD6.8ES-B2 TA11R)	[D51] ﾂｪﾅ - ﾀﾞｲｵｰﾄﾞ
88	0FT23314944//		AF	DS		B	Zener diode(RD6.8ES-B2 TA11R)	[D54] ﾂｪﾅ - ﾀﾞｲｵｰﾄﾞ
89	0FT23314979//		AF	DS		B	Zener diode(RD12ES-B3 TA11R)	[D5] ﾂｪﾅ - ﾀﾞｲｵｰﾄﾞ
90	0FT23315010//		AF	DS		B	Zener diode(RD27ES-B2 TA11R)	[D18] ﾂｪﾅ - ﾀﾞｲｵｰﾄﾞ
91	0FT23316084//		AF	DS		B	Zener diode(RD13ES-B2 TA11R)	[D14] ﾂｪﾅ - ﾀﾞｲｵｰﾄﾞ
92	0FT23319431//		AF	DS		B	Diode(1SS119-14 TD)	[D9] ﾀﾞｲｵｰﾄﾞ
93	0FT23319431//		AF	DS		B	Diode(1SS119-14 TD)	[D19] ﾀﾞｲｵｰﾄﾞ
94	0FT23319431//		AF	DS		B	Diode(1SS119-14 TD)	[D21] ﾀﾞｲｵｰﾄﾞ
95	0FT23319431//		AF	DS		B	Diode(1SS119-14 TD)	[D26] ﾀﾞｲｵｰﾄﾞ
96	0FT23319431//		AF	DS		B	Diode(1SS119-14 TD)	[D28] ﾀﾞｲｵｰﾄﾞ
97	0FT23319431//		AF	DS		B	Diode(1SS119-14 TD)	[D31] ﾀﾞｲｵｰﾄﾞ
98	0FT23319431//		AF	DS		B	Diode(1SS119-14 TD)	[D53] ﾀﾞｲｵｰﾄﾞ
99	0FT23319431//		AF	DS		B	Diode(1SS119-14 TD)	[D56] ﾀﾞｲｵｰﾄﾞ
100	0FT23394395//		AU	EZ		C	Capacitor(KME10VB-3300 TC-03)	[C106] 電解ｺﾝﾃﾞﾝｻｰ
101	0FT23394395//		AU	EZ		C	Capacitor(KME10VB-3300 TC-03)	[C126] 電解ｺﾝﾃﾞﾝｻｰ
102	0FT23400832//		AF	DS		B	Zener diode(D3.9ES-B2 TA11R)	[D29] ﾂｪﾅ - ﾀﾞｲｵｰﾄﾞ
103	0FT23415031//		AD	DJ		C	Resistor(RDF14 TS 18KΩJ)	[R41] ｶｰﾎﾞﾝ抵抗器
104	0FT23415325//		AD	DJ		C	Resistor(RDMF14 TS 15ΩJ)	[RX21] ｶｰﾎﾞﾝ抵抗器
105	0FT23415341//		AF	DS		C	Resistor(RDMF14 TS 22ΩJ)	[RX25] ｶｰﾎﾞﾝ抵抗器
106	0FT23415341//		AF	DS		C	Resistor(RDMF14 TS 22ΩJ)	[R79] ｶｰﾎﾞﾝ抵抗器
107	0FT23415376//		AD	DJ		C	Resistor(RDMF14 TS 33ΩJ)	[R132] ｶｰﾎﾞﾝ抵抗器
108	0FT23415392//		AD	DJ		C	Resistor(RDMF14 TS 47ΩJ)	[R162] ｶｰﾎﾞﾝ抵抗器
109	0FT23415430//		AF	DS		C	Resistor(RDMF14 TS 100ΩJ)	[R42] ｶｰﾎﾞﾝ抵抗器
110	0FT23415430//		AF	DS		C	Resistor(RDMF14 TS 100ΩJ)	[R54] ｶｰﾎﾞﾝ抵抗器
111	0FT23415473//		AD	DJ		C	Resistor(RDMF14 TS 220ΩJ)	[RX22] ｶｰﾎﾞﾝ抵抗器
112	0FT23415473//		AD	DJ		C	Resistor(RDMF14 TS 220ΩJ)	[RX26] ｶｰﾎﾞﾝ抵抗器
113	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[RX4] ｶｰﾎﾞﾝ抵抗器
114	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[RX23] ｶｰﾎﾞﾝ抵抗器
115	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[RX24] ｶｰﾎﾞﾝ抵抗器
116	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[RX27] ｶｰﾎﾞﾝ抵抗器
117	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[RX28] ｶｰﾎﾞﾝ抵抗器
118	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[R21] ｶｰﾎﾞﾝ抵抗器
119	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[R24] ｶｰﾎﾞﾝ抵抗器
120	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[R55] ｶｰﾎﾞﾝ抵抗器
121	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[R60] ｶｰﾎﾞﾝ抵抗器
122	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[R124] ｶｰﾎﾞﾝ抵抗器
123	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[R133] ｶｰﾎﾞﾝ抵抗器
124	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[R134] ｶｰﾎﾞﾝ抵抗器
125	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[R154] ｶｰﾎﾞﾝ抵抗器
126	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[R163] ｶｰﾎﾞﾝ抵抗器
127	0FT23415570//		AF	DS		C	Resistor(RDMF14 TS 1KΩJ)	[R164] ｶｰﾎﾞﾝ抵抗器
128	0FT23415619//		AD	DJ		C	Resistor(RDMF14 TS 2.2KΩJ)	[RX1] ｶｰﾎﾞﾝ抵抗器
129	0FT23415619//		AD	DJ		C	Resistor(RDMF14 TS 2.2KΩJ)	[R23] ｶｰﾎﾞﾝ抵抗器
130	0FT23415619//		AD	DJ		C	Resistor(RDMF14 TS 2.2KΩJ)	[R48] ｶｰﾎﾞﾝ抵抗器
131	0FT23415619//		AD	DJ		C	Resistor(RDMF14 TS 2.2KΩJ)	[R62] ｶｰﾎﾞﾝ抵抗器

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NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
132	0FT23415619//		AD	DJ		C	Resistor(RDMF14 TS 2.2KΩJ)	[R63] ｶｰﾎﾞﾝ抵抗器
133	0FT23415619//		AD	DJ		C	Resistor(RDMF14 TS 2.2KΩJ)	[R145] ｶｰﾎﾞﾝ抵抗器
134	0FT23415619//		AD	DJ		C	Resistor(RDMF14 TS 2.2KΩJ)	[R146] ｶｰﾎﾞﾝ抵抗器
135	0FT23415619//		AD	DJ		C	Resistor(RDMF14 TS 2.2KΩJ)	[R175] ｶｰﾎﾞﾝ抵抗器
136	0FT23415619//		AD	DJ		C	Resistor(RDMF14 TS 2.2KΩJ)	[R176] ｶｰﾎﾞﾝ抵抗器
137	0FT23415635//		AD	DJ		C	Resistor(RDMF14 TS 2.2KΩJ)	[RX3] ｶｰﾎﾞﾝ抵抗器
138	0FT23415635//		AD	DJ		C	Resistor(RDMF14 TS 3.3KΩJ)	[R25] ｶｰﾎﾞﾝ抵抗器
139	0FT23415635//		AD	DJ		C	Resistor(RDMF14 TS 3.3KΩJ)	[R64] ｶｰﾎﾞﾝ抵抗器
140	0FT23415635//		AD	DJ		C	Resistor(RDMF14 TS 3.3KΩJ)	[R143] ｶｰﾎﾞﾝ抵抗器
141	0FT23415635//		AD	DJ		C	Resistor(RDMF14 TS 3.3KΩJ)	[R173] ｶｰﾎﾞﾝ抵抗器
142	0FT23415643//		AF	DS		C	Resistor(RDMF14 TS 3.9KΩJ)	[R77] ｶｰﾎﾞﾝ抵抗器
143	0FT23415651//		AF	DS		C	Resistor(RDMF14 TS 4.7KΩJ)	[R82] ｶｰﾎﾞﾝ抵抗器
144	0FT23415651//		AF	DS		C	Resistor(RDMF14 TS 4.7KΩJ)	[R83] ｶｰﾎﾞﾝ抵抗器
145	0FT23415678//		AD	DJ		C	Resistor(RDMF14 TS 5.6KΩJ)	[R142] ｶｰﾎﾞﾝ抵抗器
146	0FT23415686//		AD	DJ		C	Resistor(RDMF14 TS 5.1KΩJ)	[R43] ｶｰﾎﾞﾝ抵抗器
147	0FT23415716//		AF	DS		C	Resistor(RDMF14 TS 10KΩJ)	[R22] ｶｰﾎﾞﾝ抵抗器
148	0FT23415716//		AF	DS		C	Resistor(RDMF14 TS 10KΩJ)	[R39] ｶｰﾎﾞﾝ抵抗器
149	0FT23415716//		AF	DS		C	Resistor(RDMF14 TS 10KΩJ)	[R86] ｶｰﾎﾞﾝ抵抗器
150	0FT23415716//		AF	DS		C	Resistor(RDMF14 TS 10KΩJ)	[R122] ｶｰﾎﾞﾝ抵抗器
151	0FT23415716//		AF	DS		C	Resistor(RDMF14 TS 10KΩJ)	[R152] ｶｰﾎﾞﾝ抵抗器
152	0FT23415732//		AD	DJ		C	Resistor(RDMF14 TS 12KΩJ)	[R141] ｶｰﾎﾞﾝ抵抗器
153	0FT23415732//		AD	DJ		C	Resistor(RDMF14 TS 12KΩJ)	[R171] ｶｰﾎﾞﾝ抵抗器
154	0FT23415740//		AF	DS		C	Resistor(RDMF14 TS 15KΩJ)	[R45] ｶｰﾎﾞﾝ抵抗器
155	0FT23415740//		AF	DS		C	Resistor(RDMF14 TS 15KΩJ)	[R81] ｶｰﾎﾞﾝ抵抗器
156	0FT23415767//		AD	DJ		C	Resistor(RDMF14 TS 22KΩJ)	[R16] ｶｰﾎﾞﾝ抵抗器
157	0FT23415767//		AD	DJ		C	Resistor(RDMF14 TS 22KΩJ)	[R51] ｶｰﾎﾞﾝ抵抗器
158	0FT23415899//		AF	DS		C	Resistor(RDMF14 TS 100KΩJ)	[RX2] ｶｰﾎﾞﾝ抵抗器
159	0FT23415929//		AD	DJ		C	Resistor(RDMF14 TS 180KΩJ)	[R136] ｶｰﾎﾞﾝ抵抗器
160	0FT23415929//		AD	DJ		C	Resistor(RDMF14 TS 180KΩJ)	[R166] ｶｰﾎﾞﾝ抵抗器
161	0FT23416038//		AD	DJ		C	Resistor(RDMF14 TS 1MΩJ)	[R144] ｶｰﾎﾞﾝ抵抗器
162	0FT23416038//		AD	DJ		C	Resistor(RDMF14 TS 1MΩJ)	[R174] ｶｰﾎﾞﾝ抵抗器
163	0FT23543641//		AK	DX		C	Fuse holder(EYF-52BCZ)	[F2] ﾋｭｰｽﾞﾎﾙﾀﾞｰ
164	0FT23543641//		AK	DX		C	Fuse holder(EYF-52BCZ)	[F3] ﾋｭｰｽﾞﾎﾙﾀﾞｰ
165	0FT23543641//		AK	DX		C	Fuse holder(EYF-52BCZ)	[F4] ﾋｭｰｽﾞﾎﾙﾀﾞｰ
166	0FT23605507//		AK	DX		B	Diode(1GU42 TPA3)	[D13] ﾀﾞｲｵｰﾄﾞ
167	0FT23605507//		AK	DX		B	Diode(1GU42 TPA3)	[D15] ﾀﾞｲｵｰﾄﾞ
168	0FT23610810//		AK	DX		B	Diode(S5688GTPA3)	[D1] ﾀﾞｲｵｰﾄﾞ
169	0FT23610810//		AK	DX		B	Diode(S5688GTPA3)	[D3] ﾀﾞｲｵｰﾄﾞ
170	0FT23610810//		AK	DX		B	Diode(S5688GTPA3)	[D12] ﾀﾞｲｵｰﾄﾞ
171	0FT23610810//		AK	DX		B	Diode(S5688GTPA3)	[D34] ﾀﾞｲｵｰﾄﾞ
172	0FT23632954//		AP	EQ		B	Transistor(2SC2655-Y TPE6)	[Q4] ﾄﾗﾝｼﾞｽﾀｰ
173	0FT23632954//		AP	EQ		B	Transistor(2SC2655-Y TPE6)	[Q22] ﾄﾗﾝｼﾞｽﾀｰ
174	0FT23632954//		AP	EQ		B	Transistor(2SC2655-Y TPE6)	[Q25] ﾄﾗﾝｼﾞｽﾀｰ
175	0FT23665941//		AK	DX		C	Ferrite bead(BL02RN1-R62T4)	[FB1] ﾌｪﾗｲﾄﾋﾞｰｽﾞ
176	0FT23678520//		AF	DS		C	Resistor(RNM14TS 1.8KΩ DK)	[R137] 金属被膜抵抗器
177	0FT23690474//		AD	DJ		C	Resistor(RSMF12TS 100ΩJ)	[R2] 酸化金属被膜抵抗器
178	0FT23690474//		AD	DJ		C	Resistor(RSMF12TS 100ΩJ)	[R6] 酸化金属被膜抵抗器
179	0FT23690482//		AD	DJ		C	Resistor(RSMF12TS 10ΩJ)	[R46] 酸化金属被膜抵抗器
180	0FT23696774//		AD	DJ		C	Resistor(RSMF12TS 150KΩJ)	[R1] 酸化金属被膜抵抗器
181	0FT23718182//		AD	DJ		C	Resistor(RSMF12TS 15ΩJ)	[R123] 酸化金属被膜抵抗器
182	0FT23718182//		AD	DJ		C	Resistor(RSMF12TS 15ΩJ)	[R153] 酸化金属被膜抵抗器
183	0FT23728161//		AD	DJ		C	Resistor(RSMF12TS 22ΩJ)	[R36] 酸化金属被膜抵抗器
184	0FT23728161//		AD	DJ		C	Resistor(RSMF12TS 22ΩJ)	[R44] 酸化金属被膜抵抗器
185	0FT23733289//		AF	DS		C	Resistor(RNM14TS 2.2KΩ DK)	[R147] 金属被膜抵抗器
186	0FT23733289//		AF	DS		C	Resistor(RNM14TS 2.2KΩ DK)	[R177] 金属被膜抵抗器
187	0FT23735125//		AF	DS		C	Capacitor(ECQ-B1H472KF4)	[C113] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
188	0FT23752267//		AD	DJ		C	Resistor(RSMF12TS 2.2ΩJ)	[R85] 酸化金属被膜抵抗器
189	0FT23752267//		AD	DJ		C	Resistor(RSMF12TS 2.2ΩJ)	[R129] 酸化金属被膜抵抗器
190	0FT23752267//		AD	DJ		C	Resistor(RSMF12TS 2.2ΩJ)	[R159] 酸化金属被膜抵抗器
191	0FT23758591//		AD	DJ		C	Resistor(RSMF12TS 220ΩJ)	[R125] 酸化金属被膜抵抗器
192	0FT23758591//		AD	DJ		C	Resistor(RSMF12TS 220ΩJ)	[R126] 酸化金属被膜抵抗器
193	0FT23758591//		AD	DJ		C	Resistor(RSMF12TS 220ΩJ)	[R155] 酸化金属被膜抵抗器
194	0FT23758591//		AD	DJ		C	Resistor(RSMF12TS 220ΩJ)	[R156] 酸化金属被膜抵抗器
195	0FT23774899//		AF	DS		C	Resistor(RNM14TS 1.2KΩ DK)	[R78] 金属被膜抵抗器
196	0FT33019548//		AU	EZ		C	Capacitor(KME35VB-1000 TD-03)	[C56] 電解ｺﾝﾃﾞﾝｻｰ
197	0FT33019548//		AU	EZ		C	Capacitor(KME35VB-1000 TD-03)	[C101] 電解ｺﾝﾃﾞﾝｻｰ
198	0FT33019548//		AU	EZ		C	Capacitor(KME35VB-1000 TD-03)	[C121] 電解ｺﾝﾃﾞﾝｻｰ
199	0FT33029853//		AD	DJ		C	Resistor(RSMF12TS 100KΩJ)	[R28] 酸化金属被膜抵抗器
200	0FT33029853//		AD	DJ		C	Resistor(RSMF12TS 100KΩJ)	[R29] 酸化金属被膜抵抗器
201	0FT33036442//		AD	DJ		C	Resistor(RSMF12TS 180ΩJ)	[R40] 酸化金属被膜抵抗器
202	0FT33055277//		AK	DX		C	Terminal(TP00448-41)	端子
203	0FT33066740//		AD	DJ		C	Resistor(RSMF12TS 33ΩJ)	[R59] 酸化金属被膜抵抗器
204	0FT33084862//		AK	DX		C	Capacitor(ECQ-V1H473JL2)	[CX23] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
205	0FT33084862//		AK	DX		C	Capacitor(ECQ-V1H473JL2)	[CX27] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
206	0FT33116497//		AG	DX		C	Capacitor(ECQ-B1H471KF4)	[C25] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
207	0FT33116551//		AK	DX		C	Capacitor(ECQ-V1H224JL2)	[CX4] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
208	0FT33116551//		AK	DX		C	Capacitor(ECQ-V1H224JL2)	[C24] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
209	0FT33116551//		AK	DX		C	Capacitor(ECQ-V1H224JL2)	[C70] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
210	0FT33185650//		AK	DX		C	Capacitor(DE0905-979R102K1K)	[C36] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
211	0FT33185650//		AK	DX		C	Capacitor(DE0905-979R102K1K)	[C37] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ

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NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
212	0FT33185650//		AK	DX		C	Capacitor(DE0905-979R102K1K)	[C38] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
213	0FT33185650//		AK	DX		C	Capacitor(DE0905-979R102K1K)	[C39] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
214	0FT33188633//		AF	DS		C	Capacitor(ECQ-B1H223KF4)	[C19] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
215	0FT33188641//		AF	DS		C	Capacitor(ECQ-B1H103KF4)	[CX22] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
216	0FT33188641//		AF	DS		C	Capacitor(ECQ-B1H103KF4)	[CX26] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
217	0FT33188641//		AF	DS		C	Capacitor(ECQ-B1H103KF4)	[C13] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
218	0FT33188641//		AF	DS		C	Capacitor(ECQ-B1H103KF4)	[C22] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
219	0FT33188641//		AF	DS		C	Capacitor(ECQ-B1H103KF4)	[C62] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
220	0FT33213786//		AK	DX		C	Capacitor(DE1007-486E222M-KH)	[C32] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
221	0FT33213786//		AK	DX		C	Capacitor(DE1007-486E222M-KH)	[C65] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
222	0FT33213786//		AK	DX		C	Capacitor(DE1007-486E222M-KH)	[C66] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
223	0FT33213786//		AK	DX		C	Capacitor(DE1007-486E222M-KH)	[C79] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
224	0FT33213786//		AK	DX		C	Capacitor(DE1007-486E222M-KH)	[C80] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
225	0FT33295049//		AK	DX		C	Capacitor(DE0605-979SL470J2K)	[C27] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
226	0FT33377266//		AF	DS		B	Zener diode(RD10ES-B2 TA11R)	[D30] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
227	0FT33388799//		AP	EQ		C	Capacitor(DE1207-486E332M-KH)	[C10] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
228	0FT33388799//		AP	EQ		C	Capacitor(DE1207-486E332M-KH)	[C11] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
229	0FT33424604//		AF	DS		C	Resistor(RNM14TS 330Ω DK)	[R167] 金属被膜抵抗器
230	0FT33428316//		AK	DX		C	Capacitor(DE0705-979R471K1K)	[C20] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
231	0FT33428316//		AK	DX		C	Capacitor(DE0705-979R471K1K)	[C21] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
232	0FT33428316//		AK	DX		C	Capacitor(DE0705-979R471K1K)	[C33] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
233	0FT33428316//		AK	DX		C	Capacitor(DE0705-979R471K1K)	[C35] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
234	0FT33428421//		AK	DX		C	Capacitor(DE506-979R102K250)	[C102] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
235	0FT33428421//		AK	DX		C	Capacitor(DE506-979R102K250)	[C103] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
236	0FT33428421//		AK	DX		C	Capacitor(DE506-979R102K250)	[C104] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
237	0FT33428421//		AK	DX		C	Capacitor(DE506-979R102K250)	[C105] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
238	0FT33428421//		AK	DX		C	Capacitor(DE506-979R102K250)	[C122] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
239	0FT33428421//		AK	DX		C	Capacitor(DE506-979R102K250)	[C123] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
240	0FT33428421//		AK	DX		C	Capacitor(DE506-979R102K250)	[C124] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
241	0FT33428421//		AK	DX		C	Capacitor(DE506-979R102K250)	[C125] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
242	0FT33518331//		AF	DS		C	Capacitor(ECQ-V1H104JL3)	[CX1] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
243	0FT33518331//		AF	DS		C	Capacitor(ECQ-V1H104JL3)	[CX3] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
244	0FT33518331//		AF	DS		C	Capacitor(ECQ-V1H104JL3)	[C4] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
245	0FT33518331//		AF	DS		C	Capacitor(ECQ-V1H104JL3)	[C8] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
246	0FT33518331//		AF	DS		C	Capacitor(ECQ-V1H104JL3)	[C29] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
247	0FT33057253//		BA	FX		C	Reactor(ADR-25-05-050S)	[L4] ﾘｱｸﾄﾙ
248	0FT33084013//		AX	FG		C	Connector(B03P-VL)	[CN1] ｺﾈｸﾀ
249	0FT33189486//		BA	FX		B	Triac(BT139X-800)	[CR1] ﾄﾗｲｱｯｸ
250	0FT33201516//		BA	FX		C	Reactor(ADR-18-05-020S)	[L3] ﾘｱｸﾄﾙ
251	0FT33262132//		AP	EQ		B	Photo coupler(PC123FY2)	[PC1] ﾌｫﾄｶﾌﾟﾗ
252	0FT33262132//		AP	EQ		B	Photo coupler(PC123FY2)	[PC2] ﾌｫﾄｶﾌﾟﾗ
253	0FT33262132//		AP	EQ		B	Photo coupler(PC123FY2)	[PC3] ﾌｫﾄｶﾌﾟﾗ
254	0FT33262132//		AP	EQ		B	Photo coupler(PC123FY2)	[PC6] ﾌｫﾄｶﾌﾟﾗ
255	0FT33293976//		AF	DS		C	Capacitor(DD104-63CH470J50)	[C61] ｾﾗﾐｯｸｺﾝﾃﾞﾝｻｰ
256	0FT33377029//		BB	GD		B	FET(2SJ494 60V 20A)	[Q21] FET
257	0FT33377029//		BB	GD		B	FET(2SJ494 60V 20A)	[Q24] FET
258	0FT33408188//		AZ	FQ		B	FET(2SK2368(500V 15A))	[Q1] FET
259	0FT33408188//		AZ	FQ		B	FET(2SK2368(500V 15A))	[Q2] FET
260	0FT33408390//		AX	FG		C	Resistor(MEG05N4R7JB135 5W 4.7ΩJ UL/CSA)	[R17] ｾﾒﾝﾄ抵抗器
261	0FT33440960//		AZ	FQ		B	IC(FA5316P)	[Z1] IC
262	0FT33441592//		AP	EQ		C	Capacitor(ECQU2A105ML P=22.5MM)	[C3] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
263	0FT33441614//		AP	EQ		C	Capacitor(ECQU2A474ML P=22.5MM)	[C12] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
264	0FT33441622//		AL	EB		C	Capacitor(ECQU2A104ML P=15.0MM)	[C6] ﾌｨﾙﾑｺﾝﾃﾞﾝｻｰ
265	0FT33469128//		BA	FX		B	Diode(YG805C04R)	[RC10] 整流器
266	0FT33469128//		BA	FX		B	Diode(YG805C04R)	[RC11] 整流器
267	0FT33477031//		BA	FX		C	Reactor(FS14SS-16-60)	[L8] ﾘｱｸﾄﾙ
268	0FT33487010//		AP	EQ		C	Connector(B03B-XASK-1-A)	[CN4] ｺﾈｸﾀｰ
269	0FT33504675//		AK	DX		C	Tube(48TR-A-DIA13.5-30)	放熱ﾁｭｰﾌﾞ
270	0FT33529090//		AP	EQ		C	Terminal(85163 #250)	[L1] ﾌｧｽﾄﾝ端子
271	0FT33529090//		AP	EQ		C	Terminal(85163 #250)	[N1] ﾌｧｽﾄﾝ端子
272	0FT33539436//		BA	FX		C	Connector(B12P-HL-A)	[CN5] ｺﾈｸﾀｰ
273	0FT33539460//		AZ	FQ		B	Triac(TM1641P-L L)	[CR2] ﾄﾗｲｱｯｸ
274	0FT33539460//		AZ	FQ		B	Triac(TM1641P-L L)	[CR3] ﾄﾗｲｱｯｸ
275	0FT33583524//		BA	FX		C	Heat sink(PUG16-35 H=22.5)	放熱器
276	0FT33594429//		AP	EQ		C	Resistor(RGC502 15MΩJ)	[R67] ｾﾒﾝﾄ抵抗器
277	0FT33594429//		AP	EQ		C	Resistor(RGC502 15MΩJ)	[R73] ｾﾒﾝﾄ抵抗器
278	0FT33607598//		BF	GN		C	Fin(AL1 100X38X11X1.5T)	ﾌｨﾝ
279	0FT33607652//		AP	EQ		C	Resistor(RGC502 50MΩJ)	[R38] ｾﾒﾝﾄ抵抗器
280	0FT33628129//		BF	GN		C	Fin(AL1 212X40X18X2.0T)	ﾌｨﾝ
281	0FT33629214//		AU	EZ		C	Resistor(MNG05N4R7JC)	[R18] ｾﾒﾝﾄ抵抗器
282	0FT35863303//		BN	LE		B	Transfomer(EXT42820-642A)	[T1] 変圧器
	(Unit)							
⚠ 901	RDENC0002FCZZ		BX	RR		E	DC Power supply unit 100(100V series)	DC 電源ﾕﾆｯﾄ 100

67 電源基板 200V 系 (Power supply PWB 200Vseries)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	LANGK8132PAZZ		AC	DJ		C	Angle(TO-3P)	[Q1,TRC1] ｱﾝｸﾞﾙ
2	LX-BZ0241PAZZ		AA	DD		C	Screw(M3+S8)	ﾋﾞｽ
3	LX-BZ0254PAZZ		AB	DD		C	Screw(3M+6S)	ﾋﾞｽ
4	LX-BZ0256PAZZ		AB	DD		C	Screw(M3+S12)	ﾋﾞｽ
5	LX-BZ0273PAZZ		AB	DD		C	Screw(M3×6)	ﾋﾞｽ
6	LX-BZ0422PAZZ		AB	DD		C	Screw(M3+10(W,SW))	ﾋﾞｽ
7	PCÖVW0044PAZZ		AC	DJ		D	Cover	ﾊﾞﾘｽﾀｰｶﾊﾞｰ
8	PRDAR0633PAZZ		AF	DS		C	Heat sink(BD1)	放熱板
9	PRDAR0638PAZZ		AK	DX		C	Heat sink(FIN-A)	放熱板
10	PZETÖ0062PAZZ		AD	DJ		C	Silicon tube(45T-11-30L)	ｼﾘｺﾝﾁｭｰﾌﾞ
11	PZETÖ0070PAZZ		AE	DJ		C	Silicon tube(T45-13.5-L30)	ｼﾘｺﾝﾁｭｰﾌ
⚠ 12	QFS-C0054PAZZ		AD	DJ		A	Fuse(215 6.3A/250)	[F1,2,3,4] ﾋｭｰｽﾞ
13	QFSHA0024PAZZ		AC	DJ		C	Fuse holder	[F1~4] ﾋｭｰｽﾞﾎﾙﾀﾞｰ
14	QLUGP0024PAZZ		AC	DJ		C	Terminal	[N1,L1] 端子
15	QLUGP0034PAZZ		AC	DJ		C	Terminal	[-] 端子
16	QPLGZ0622PAZZ		AD	DJ		C	Connector(B2 5.0 B-XASK)	[CN4] ｺﾈｸﾀｰ
17	QPLGZ0624PAZZ		AN	EG		C	Connector(B12P-HL-A)	[CN5] ｺﾈｸﾀｰ
18	QTANZ0426PAZZ		AC	DJ		C	Terminal(6030B1-05)	[CN201] ﾀｰﾐﾅﾙ
19	QTANZ0480PAZZ		AC	DJ		C	Terminal(#6030 4P)	[CN301] ﾀｰﾐﾅﾙ
20	RC-EZ0502PAZZ		AE	DJ		C	Capacitor(PS 2200MF/10V)	[C202,203,302,303] ｺﾝﾃﾞﾝｻｰ
21	RC-EZ0646PAZZ		AG	DX		C	Capacitor(MXC 470MF/400)	[C15] ｺﾝﾃﾞﾝｻｰ
22	RC-FZ148DPAZZ		AD	DD		C	Capacitor(RE 0.1MF/275)	[C2] ｺﾝﾃﾞﾝｻｰ
23	RC-FZ150DPAZZ		AE	DS		C	Capacitor(RE 0.33MF/27)	[C23,24] ｺﾝﾃﾞﾝｻｰ
24	RC-FZ163DPAZZ		AG	DX		C	Capacitor(RE105MF 250V)	[C18] ｺﾝﾃﾞﾝｻｰ
25	RC-KZ4014PAZZ		AC	DD		C	Capacitor(ECKZ3A471KB)	[C14,101,102] ｺﾝﾃﾞﾝｻｰ
26	RCÖRF4093PAZZ		AB	DJ		C	Ferrite beade	[BJ1,2,3,101] ﾌｪﾗｲﾄﾋﾞｰｽﾞ
	RCÖRF4093PAZZ		AB	DJ		C	Ferrite beade	[BJ102,104,105] ﾌｪﾗｲﾄﾋﾞｰｽﾞ
27	RC-QZ0130PAZZ		AD	DD		C	Capacitor(0.001μF 630V)	[C19] ｺﾝﾃﾞﾝｻｰ
28	RC-QZ0176PAZZ		AD	DJ		C	Capacitor(KH 4700pF/25)	[C6] ｺﾝﾃﾞﾝｻｰ
29	RC-QZ0218PAZZ		AC	DD		C	Capacitor(2200pF/250V)	[C4,5] ｺﾝﾃﾞﾝｻｰ
31	RC-QZA103PARJ		AB	DD		C	Capacitor(103pF/J/50V)	[C17] ｺﾝﾃﾞﾝｻｰ
32	RC-QZA222PARJ		AB	DD		C	Capacitor(2200pF/J/50V)	[C7] ｺﾝﾃﾞﾝｻｰ
33	RC-QZA471PARJ		AB	DD		C	Capacitor(471pF/J/50V)	[C12] ｺﾝﾃﾞﾝｻｰ
34	RC-QZA472PARJ		AB	DD		C	Capacitor(472pF/J/50V)	[C8] ｺﾝﾃﾞﾝｻｰ
35	RC-QZS104PARJ		AC	DD		C	Capacitor(104pF/J/50V)	[C9,11] ｺﾝﾃﾞﾝｻｰ
36	RC-QZS104PARJ		AC	DD		C	Capacitor(104pF/J/50V)	[C210,213,310,313] ｺﾝﾃﾞﾝｻｰ
37	RH-HX0027PAZZ		AE	DS		B	Thermistor(PTH9M04BE471)	[TH101] ｻｰﾐｽﾀｰ
38	RH-iX0275PAZZ		AP	EZ		B	IC(TL494CN)	[IC201,301] 1C
39	RH-iX0783PAZZ		AD	DJ		B	IC(L5431)	[IC101,IC30] IC
40	RH-iX2262PAZZ		AM	EG		B	IC(FA5310)	[IC1] IC
41	RH-PX0285PAZZ		AF	DS		B	Photo coupler(PC123Y(2))	[PC1,2,3] ﾌｫﾄｶﾌﾟﾗ
42	RMPTK0019PAZZ		AN	EG		B	Block resistor(7EG 15J)	[R72] ﾌﾞﾛｯｸﾃｲｺｳ
43	RR-BZ0005PAZZ		AC	DD		C	Resistor(M 0.6 L)	[R206,207,208,306,307] 抵抗
44	RR-FZA3HCR05K		AF	DS		C	Resistor(FZ 5.0W-0.05)	[R5] 抵抗
45	RR-SN1021PA6D		AB	DD		C	Resistor(SN 1/6W 1.02)	[R105] 抵抗
46	RR-SN9311PA6D		AB	DD		C	Resistor(SN 1/6W 9.31)	[R104] 抵抗
47	RR-SZ0070PAZZ		AC	DD		C	Resistor(2W L17.5 220K)	[R21] 抵抗
48	RR-SZ0072PAZZ		AB	DD		C	Resistor(RSI-2S 22J)	[R26,27,28] 抵抗
50	RR-SZ0126PAZZ		AC	DD		C	Resistor(2W 330K P1)	[R25] 抵抗
51	RR-XZ0012PAZZ		AB	DD		C	Fuse Resistor(1/4W 4.7Ω)	[R4] 抵抗
52	RR-XZ0030PAZZ		AB	DD		C	Fuse Resistor(1/6W 100Ω)	[R6,13] 抵抗
53	RR-XZ0076PAZZ		AC	DD		C	Fuse Resistor(1/6W 1)	[R234,334] 抵抗
54	RTRNZ0607PANT		AE	DJ		B	Transfomer(Z0607)	[L201,301] ﾄﾗﾝｽ
55	RTRNZ0704PANJ		AN	EQ		B	Transfomer(Z0704H)	[L1] ﾄﾗﾝｽ
56	RTRNZ0765PANE		AP	EQ		B	Transfomer(Z0765D)	[L2] ﾄﾗﾝｽ
57	RTRNZ0771PANJ		AP	EQ		B	Transfomer(CHCKE COIL)	[L101,202,302] ﾄﾗﾝｽ
59	RVR-M0390PAZZ		AD	DJ		B	Variable resistor(VR-1K)	[VR201,301] ﾎﾞﾘｭｰﾑ
60	VCCSPA1H6331J		AC	DD		C	Capacitor(SL/331PF/J/50)	[C211,311] ｺﾝﾃﾞﾝｻｰ
62	VCEAFU1HM225M		AB	DD		C	Capacitor(YXF 2.2MF/50V)	[C105] ｺﾝﾃﾞﾝｻｰ
63	VCEAFU1HM474M		AC	DD		C	Capacitor(YXF 0.47MF/50V)	[C20] ｺﾝﾃﾞﾝｻｰ
64	VCEAFU1HM476M		AC	DD		C	Capacitor(YXF 47MF/50V)	[C10] ｺﾝﾃﾞﾝｻｰ
65	VCEAFW1VM228M		AH	DX		C	Capacitor(YXF 2200MF/35V)	[C208,C308] ｺﾝﾃﾞﾝｻｰ
66	VCEAFW1VM338M		AL	EB		C	Capacitor(YXF 3300MF/35V)	[C103,104] ｺﾝﾃﾞﾝｻｰ
67	VHD1N4005／／-1		AC	DJ		B	Diode(1N4005-G23)	[D3] ﾀﾞｲｵｰﾄﾞ
68	VHD1SS270A／-1		AA	DD		B	Diode(1SS270A)	[D2,30,102,202] ﾀﾞｲｵｰﾄﾞ
	VHD1SS270A／-1		AA	DD		B	Diode(1SS270A)	[D203,302,303] ﾀﾞｲｵｰﾄﾞ
69	VHDERA2210／-1		AD	DJ		B	Diode(ERA2210)	[D4] ﾀﾞｲｵｰﾄﾞ
70	VHDERA9102／-1		AC	DD		B	Diode(ERA91-02)	[D1] ﾀﾞｲｵｰﾄﾞ
72	VHDGSiB6A60-1		AH	DX		B	Diode(GSIB6A60)	[BD1] ﾀﾞｲｵｰﾄﾞ
73	VHDS1WBA60／-1		AE	DS		B	Diode(S1WBA60)	[BD2] ﾀﾞｲｵｰﾄﾞ
74	VHDYG805C04-1		AH	DX		B	Diode(YG805C04)	[D201,301] ﾀﾞｲｵｰﾄﾞ
75	VHEHZS27-1／-1		AB	DJ		B	Zener diode(HZS27)	[ZD1,30,101] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
76	VHEHZS4B2／／-1		AB	DJ		B	Zener diode(HZS4B2)	[ZD301] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
77	VHEHZS6B2／／-1		AC	DJ		B	Zener diode(HZS6B2)	[ZD201] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
78	VHERD39ESB1-1		AC	DJ		B	Zener diode(RD39ESB1(A))	[ZD2,3] ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ
79	VHSTM861S／／-1		AG	DX		B	Triac(TM861S)	[TRC1] ﾄﾗｲｱｯｸ
80	VHVC471D10A-1		AE	DJ		B	Varistor(ENC471D10A)	[ZR1,ZR2] ﾊﾞﾘｽﾀｰ
81	VRD-ST2CD101J		AA	DD		C	Resistor(1/6W 100Ω ±5%)	[R204,304] 抵抗
82	VRD-ST2CD102J		AA	DD		C	Resistor(1/6W 1KΩ ±5%)	[R210] 抵抗
83	VRD-ST2CD102J		AA	DD		C	Resistor(1/6W 1KΩ ±5%)	[R11,18] 抵抗

67 電源基板 200V 系 (Power supply PWB 200Vseries)

NO.	PARTS CODE	COMPATIBLE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION
84	VRD-ST2CD103J		AA	DD		C	Resistor(1/6W 10KΩ ±5%) [R232,332] 抵抗
85	VRD-ST2CD103J		AA	DD		C	Resistor(1/6W 10KΩ ±5%) [R12,36] 抵抗
86	VRD-ST2CD104J		AA	DD		C	Resistor(1/6W 100KΩ ±5%) [R143,239,339] 抵抗
87	VRD-ST2CD123J		AA	DD		C	Resistor(1/6W 12KΩ ±5%) [R103,235,335] 抵抗
88	VRD-ST2CD151J		AA	DD		C	Resistor(1/6W 150Ω ±5%) [R202,203,302,303] 抵抗
89	VRD-ST2CD151J		AA	DD		C	Resistor(1/6W 150Ω ±5%) [R19,20] 抵抗
90	VRD-ST2CD152J		AA	DD		C	Resistor(1/6W 1.5KΩ ±5%) [R8] 抵抗
91	VRD-ST2CD153J		AA	DD		C	Resistor(1/6W 15KΩ ±5%) [R35,88] 抵抗
92	VRD-ST2CD182J		AA	DD		C	Resistor(1/6W 1.8KΩ ±5%) [R305] 抵抗
93	VRD-ST2CD221J		AA	DD		C	Resistor(1/6W 220Ω ±5%) [R102,220] 抵抗
94	VRD-ST2CD222J		AA	DD		C	Resistor(1/6W 2.2KΩ ±5%) [R237,337] 抵抗
95	VRD-ST2CD270J		AB	DD		C	Resistor(1/6W 270Ω ±5%) [R106] 抵抗
96	VRD-ST2CD331J		AA	DD		C	Resistor(1/6W 330Ω ±5%) [R310] 抵抗
97	VRD-ST2CD332J		AA	DD		C	Resistor(1/6W 3.3KΩ ±5%) [R205] 抵抗
98	VRD-ST2CD333J		AA	DD		C	Resistor(1/6W 33KΩ ±5%) [R218,318] 抵抗
99	VRD-ST2CD470J		AB	DD		C	Resistor(1/6W 47Ω ±5%) [R209,309] 抵抗
100	VRD-ST2CD471J		AA	DD		C	Resistor(1/6W 470Ω ±5%) [R101,107] 抵抗
101	VRD-ST2CD472J		AA	DD		C	Resistor(1/6W 4.7KΩ ±5%) [R7,110,144,231] 抵抗
	VRD-ST2CD472J		AA	DD		C	Resistor(1/6W 4.7KΩ ±5%) [R233,236,238,331] 抵抗
	VRD-ST2CD472J		AA	DD		C	Resistor(1/6W 4.7KΩ ±5%) [R333,336,338] 抵抗
102	VRD-ST2CD561J		AA	DD		C	Resistor(1/6W 560Ω ±5%) [R212,312] 抵抗
103	VRD-ST2CD682J		AA	DD		C	Resistor(1/6W 6.8KΩ ±5%) [R10] 抵抗
104	VRD-ST2CD823J		AA	DD		C	Resistor(1/6W 82KΩ ±5%) [R240] 抵抗
105	VRD-ST2EF154J		AA	DD		C	Resistor(1/4W 150KΩ ±5%) [R33,34] 抵抗
106	VRD-ST2HA470J		AB	DD		C	Resistor(1/2W 47Ω ±5%) [R3] 抵抗
107	VRD-ST2HF224J		AB	DD		C	Resistor(1/2W 220KΩ ±5%) [R1] 抵抗
108	VRD-ST2HF273J		AB	DD		C	Resistor(1/2W 27KΩ ±5%) [R23,24] 抵抗
109	VRS-FT3AD104J		AB	DD		C	Resistor(1W 100KΩ ±5%) [R15,16] 抵抗
110	VRS-FT3AD181J		AB	DD		C	Resistor(1W 180Ω ±5%) [R223,323] 抵抗
112	VS2SA673AC/-1		AE	DS		B	Transistor(2SA673AC) [Q2] ﾄﾗﾝｼﾞｽﾀｰ
113	VS2SC1213-C1A		AC	DD		B	Transistor(2SC1213C) [Q131,203,303] ﾄﾗﾝｼﾞｽﾀｰ
114	VS2SC2785F/-1		AC	DJ		B	Transistor(2SC2785-FF) [Q202,302] ﾄﾗﾝｼﾞｽﾀｰ
115	VS2SJ477///-1		AL	EB		B	Transistor(2SJ477) [Q201,301] ﾄﾗﾝｼﾞｽﾀｰ
116	VS2SK2082//-1		AT	EZ		B	Transistor(2SK2082) [Q1] ﾄﾗﾝｼﾞｽﾀｰ
	(Unit)						
⚠ 901	RDENC0011FCZZ	1	BX	RR		E	DC Power supply unit 200(200V series) (up to 2001:12 ARC160) DC 電源ﾕﾆｯﾄ 200
⚠	RDENC0011FCZ1	1	BX	RR	N	E	DC Power supply unit 200(200V series) (from 2002:1 ARC160) [ARC160/270] DC 電源ﾕﾆｯﾄ 200

■ 索引 (Index)

PARTS CODE	JAPAN ONLY ORDER CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R
【C】						
CANGT1401FC53	572 200 1435	17- 12	AH	DX		C
CANGT1401FC54	572 200 1436	17- 13	AH	DX		C
CANGT1403FC52	572 200 1437	17- 15	AH	DX		C
CBOX-0121FC53	572 307 0445	17-901	BV	RB		E
〃	572 307 0445	18-901	BV	RB		E
CBOX-0121FC54	572 307 0446	17-901	BZ	TF		E
〃	572 307 0446	18-901	BZ	TF		E
CBOX-0121FC61	572 307 0434	17- 11	BH	GX		E
CBRSS0201FC51	572 310 0320	12- 68	BB	GD		E
CBTN-0239FC03	572 170 0477	4- 14	AN	EG		C
CBTN-0242FC01	572 170 0416	4- 16	AL	EB		C
CBTN-0243FC03	572 170 0478	4- 21	AP	EQ		C
CBTN-0245FC01	572 170 0482	4- 17	AL	EB		C
CBTN-0246FC01	572 170 0483	4- 18	AN	EG		C
CBTN-0247FC01	572 170 0484	4- 15	AF	DS		C
CCAB-0909FC36	572 107 1986	18- 20	BB	GD		E
CCAB-0909FC37	572 107 1987	18- 20	BB	GD		E
CCAB-0909FC38	572 107 2062	18- 20	BC	GJ	N	E
CCAB-0909FC39	572 107 2063	18- 20	BC	GJ	N	E
CCAB-0909FC40	572 107 2064	18- 20	BC	GJ	N	E
CCAB-0910FC31	572 107 1862	1- 14	BC	GJ		E
CCAB-0916FC32	572 107 1956	1- 23	BD	GN		E
CCAB-0921FC31	572 107 1864	1- 1	BF	GN		E
CCAB-0921FC32	572 107 1884	1- 1	BF	GN		E
CCAB-0922FC34	572 107 1950	30-901	BE	GN		E
CCAB-0978FC31	572 107 1988	1- 63	BA	FX		E
CCASZ0067FC01	572 108 0589	40-101	AD	DJ		D
CCASZ0067FC02	572 108 0590	40-101	AM	EG		D
CCASZ0292FC51	572 108 1286	38-901	AZ	FQ		E
CCLR-0372FC01	572 318 0320	35- 35	AH	DX		C
CCOVP1471FC31	572 110 1115	1- 15	AZ	FQ		C
〃	572 110 1115	4- 28	AZ	FQ		C
CCOVP1476FC31	572 110 1116	13- 71	AS	EQ		E
CDAiU0577FC31	572 210 1041	14- 78	BE	GN		E
CDAiU0595FC34	572 210 1189	5- 9	CM	UZ		E
CDAiU0598FC52	572 210 1170	10- 20	AW	FG		E
CFiX-0517FC05	572 211 0717	1- 5	AN	EQ		C
CFiX-0517FC06	572 211 0718	1- 5	AN	EG		C
CFiX-0517FC07	572 211 0719	1- 5	AN	EQ		C
CFLT-0059FC02	572 340 0058	10- 25	AP	EQ		C
CFRM-0974FC01	572 213 1975	13- 56	AR	EQ		C
CFRM-0976FC32	572 213 2083	22-901	BP	LP		E
CFRM-0976FC33	572 213 2141	22-901	BN	LE		E
CFRM-0976FC35	572 213 2171	22-901	BN	LE		E
CFRM-0979FC02	572 213 2136	24- 17	AK	DX		C
CFRM-0979FC33	572 213 2142	24-901	BF	GN		E
CFRM-0988FC01	572 213 1984	10- 11	AU	EZ		C
CFRM-1027FC01	572 213 2076	19- 61	AL	EB		C
CFRM-1028FC02	572 213 2137	19- 22	AN	EG		C
CFRM-1029FC01	572 213 2078	20- 46	AL	EB		C
CFRM-1030FC01	572 213 2079	20- 31	AL	EB		C
CFS-T0111FC31	572 515 0515	7- 17	AQ	EQ		A
CGERH1291FC01	572 281 1851	15- 19	AP	EQ		C
CGERH1486FC01	572 281 2168	21- 32	AG	DS		C
CGERH1487FC01	572 281 2169	21- 29	AN	EQ		C
CGLSP0094FC01	572 348 0140	1- 6	AV	FG		B
CGLSP0094FC02	572 348 0153	1- 6	AS	EZ		B
CHLDZ1390FC31	572 214 2019	21- 47	BB	GD		E
CHLDZ1391FC52	572 214 1987	12- 1	BD	GN		E
CHLDZ1398FC31	572 214 1937	6- 6	BF	GN		E
CHLDZ1410FC51	572 214 1970	38- 1	AT	EZ		E
CHLDZ1425FC31	572 214 1965	10- 3	AP	EQ		C
CHLDZ1454FC01	572 214 2003	13- 65	AM	EG		C
CPLTM5436FC01	572 221 6677	6- 35	AG	DX		C
CPLTM5515FC56	572 221 7912	14- 63	CF	UK		E
CPLTM5515FC57	572 221 7980	14- 63	BT	ZZ	N	E
CPLTM5520FC02	572 221 7473	21- 25	AU	EZ		C
CPLTM5521FC01	572 221 7189	15- 20	AR	EQ		C
CPLTM5528FC52	572 221 7913	12- 69	BP	LP		E
CPLTM5528FC53	572 221 7960	12- 69	AR	EQ		E
CPLTM5528FC54	572 221 7961	12- 69	AZ	FQ		E
CPLTM5529FC01	572 221 7191	12- 49	AL	EB		C
CPLTM5551FC01	572 221 7193	13- 85	AG	DS		C
CPLTM5576FC01	572 221 7287	32- 24	AQ	EQ		C
CPLTM5576FC02	572 221 7972	32- 24	AL	EB	N	C
CPLTM5576FC03	572 221 7977	32- 24	AQ	EQ	N	C
CPLTM5577FC01	572 221 7288	32- 57	AG	DS		C
CPLTM5577FC02	572 221 7973	32- 57	AG	DS	N	C
CPLTM5577FC03	572 221 7978	32- 57	AG	DS	N	C
CPLTM5613FC65	572 221 7915	14- 62	BP	LP		E
CPLTM5613FC66	572 221 7916	14- 62	BQ	LP		E
CPLTM5613FC67	572 221 7917	14- 62	BQ	LP		E
CPLTM5613FC68	572 221 7918	14- 62	BR	LX		E
CPLTM5613FC69	572 221 7919	14- 62	BQ	LP		E
CPLTM5613FC70	572 221 7920	14- 62	BP	LP		E
CPLTM5613FC71	572 221 7921	14- 62	BQ	LP		E
CPLTM5613FC72	572 221 7922	14- 62	BR	LX		E
CPLTM5613FC73	572 221 7923	14- 62	BR	LX		E
CPLTM5613FC74	572 221 7924	14- 62	BR	LX		E
CPLTM5613FC75	572 221 7925	14- 62	BR	LX		E
CPLTM5613FC76	572 221 7926	14- 62	BR	LX		E
CPLTM5613FC77	572 221 7927	14- 62	BR	LX		E
CPLTM5613FC78	572 221 7981	14- 62	BN	ZZ	N	E
CPLTM5651FC02	572 221 7197	19- 48	AS	EQ		C
CPLTM5948FC01	572 221 7743	39- 8	BB	GD		C
CPLTM5948FC02	572 221 7956	39- 8	BB	GD		C
CPLTM5952FC01	572 221 7744	19- 16	AN	EG		C
CPLTM5952FC51	572 221 7865	19-121	BN	HZ		C
CPNLC0240FC05	572 158 0664	4- 19	AT	EZ		C
CPNLC0240FC06	572 158 0665	4- 19	AS	EZ		C
CPNLC0240FC07	572 158 0666	4- 19	AR	EQ		C
CPNLC0240FC68	572 158 0700	1- 30	CL	UW		E
〃	572 158 0700	4-901	CL	UW		E
CPNLC0240FC69	572 158 0701	1- 30	CN	UZ		E
〃	572 158 0701	4-901	CN	UZ		E
CPNLC0240FC70	572 158 0702	1- 30	CM	UW		E
〃	572 158 0702	4-901	CM	UW		E
CPNLC0240FC71	572 158 0703	1- 30	CN	UZ		E
〃	572 158 0703	4-901	CN	UZ		E
CPNLC0240FC72	572 158 0736	1- 30	CK	ZZ	N	E
〃	572 158 0736	4-901	CK	ZZ	N	E
CPNLC0240FC73	572 158 0737	1- 30	CK	ZZ	N	E
〃	572 158 0737	4-901	CK	ZZ	N	E
CPNLC0240FC74	572 158 0738	1- 30	CK	UR	N	E
〃	572 158 0738	4-901	CK	UR	N	E
CPNLC0240FC75	572 158 0739	1- 30	CK	UR	N	E
〃	572 158 0739	4-901	CK	UR	N	E
CPWBF1092FC31	572 684 3533	32- 60	AS	EQ		E
CPWBF1107FC52	572 684 2702	4- 2	AX	FG		E
CPWBF1294FC33	572 684 3433	5- 21	AX	FG		E
CPWBF1294FC34	572 684 3526	5- 21	AY	FQ		E
CPWBF1332FC31	572 684 3434	5- 18	BB	GD		E
CPWBF1333FC51	572 684 3458	19- 65	BE	GN		E
CPWBF1334FC51	572 684 3474	19- 65	BF	GN		E
CPWBF1335FC51	572 684 3459	14- 37	BF	GN		E
CPWBF1335FC52	572 684 3475	14- 37	BG	GT		E
CPWBF1335FC53	572 684 3476	14- 37	BF	GN		E
CPWBF1335FC54	572 684 3928	14- 37	BF	ZZ	N	E
CPWBF1337FC51	572 684 3477	14- 37	BF	GN		E
CPWBF1352FC31	572 684 3451	14- 17	BN	HZ		E
CPWBF1389FC32	572 684 3648	5- 11	AT	EZ		E
CPWBF1398FC31	572 684 3439	15- 5	AL	EB		E
CPWBF1423FC33	572 684 3647	14- 17	BN	HV		E
CPWBF1497FC51	572 684 3810	14- 38	BC	GJ		E
〃	572 684 3810	65-901	BC	GJ		E
CPWBF1497FC52	572 684 3913	14- 38	BC	GD		E
〃	572 684 3913	65-901	BC	GD		E
CPWBF1507FC81	572 684 3811	4- 13	BC	GJ		E
〃	572 684 3811	54-901	BC	GJ		E
CPWBF1508FC81	572 684 3812	4- 34	BD	GJ		E
〃	572 684 3812	55-901	BD	GJ		E
CPWBN1342FC54	572 684 3813	44-901	BR	LX		E
CPWBN1342FC55	572 684 3929	44-901	BR	ZZ	N	E
CPWBN1343FC52	572 684 3850	4- 24	BU	NN		E
CPWBN1349FC31	572 684 3442	39- 12	CU	VZ		E
CPWBN1355FC31	572 684 3443	16- 4	AZ	FQ		E
CPWBN1380FC54	572 684 3623	39- 10	DN	✻✻		E
CPWBN1434FC66	572 684 3814	39- 4	DC	✻✻		E
〃	572 684 3814	47-901	DC	✻✻		E
CPWBN1434FC67	572 684 3930	39- 4	BL	ZZ	N	E
〃	572 684 3930	47-901	BL	ZZ	N	E
CPWBN1436FC52	572 684 3815	39- 6	CH	UP		E
〃	572 684 3815	49-901	CH	UP		E
CPWBN1496FC31	572 684 3787	39- 30	BC	GJ		E
CPWBN1503FC51	572 684 3839	15- 50	BN	LE		E
〃	572 684 3839	64-901	BN	LE		E
CPWBN1504FC51	572 684 3817	14- 89	CB	TZ		E
〃	572 684 3817	43-901	CB	TZ		E
CPWBN1504FC52	572 684 3931	14- 89	BN	ZZ	N	E

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CPWBN1504FC52	572 684 3931	43-901	BN	ZZ	N	E
CPWBN1536FC51	572 684 3908	39- 12	BY	TF	N	E
CPWBN1536FC52	572 684 3935	39- 12	BV	RB	N	E
CRALP0161FC02	572 223 0247	13- 62	AS	EQ		E
CREFL0171FC33	572 432 0084	6- 4	BP	LP		E
〃	572 432 0084	7-901	BP	LP		E
CRŌLM1365FC31	572 287 2175	19-120	BV	RB		E
CRŌLM1365FC33	572 287 2253	19-120	BV	RB		E
CRŌLM1366FC31	572 287 2176	20- 64	BR	LX		E
CRŌLM1369FC01	572 287 2030	12- 7	BC	GD		C
CSFTZ2509FC01	572 290 2532	22- 21	AL	EB		C
CSFTZ2541FC31	572 290 2530	6- 41	BB	GD		E
CSŌU-0168FC01	572 226 0529	40- 8	BB	GD		C
CSTYM0235FC01	572 231 0423	13- 38	AQ	EQ		C
CSW-Z0507FC01	572 530 0700	20- 43	AR	EQ		B
CTHM-0011FC01	578 644 0001	19- 32	AK	EB		B
CYŌK-0056FC31	572 421 0078	10- 5	AZ	FQ		E
【D】						
DHAi-2049FC11	572 542 1365	35- 21	AQ	EQ		C
DHAi-2903FC40	572 542 1707	14- 36	AX	FG		B
DHAi-2903FC41	572 542 1708	14- 36	AX	FG		B
DHAi-2972FCZZ	572 542 1586	7- 14	AV	FG		C
DHAi-2983FCZZ	572 542 1552	15- 14	AK	EB		C
DHAi-2992FC11	572 542 1700	18- 10	AQ	EQ		C
DHAi-2994FCZZ	572 542 1555	30- 2	AF	DS		C
DHAi-2996FCZZ	572 542 1608	33- 24	AV	FG		C
DHAi-3001FC11	572 542 1697	12- 50	AN	EG		C
DHAi-3003FC12	572 542 1682	10- 8	BA	FX		C
DHAi-3004FC12	572 542 1683	10- 8	BB	GD		C
DHAi-3005FCZZ	572 542 1563	12- 60	AE	DS		C
DHAi-3010FC11	572 542 1701	14- 60	AS	EQ		C
DHAi-3034FCZZ	572 542 1571	4- 5	AN	EQ		C
DHAi-3035FC13	572 542 2066	4- 10	AW	FG		C
DHAi-3035FC14	572 542 2090	4- 10	AX	FG	N	C
DHAi-3044FCZZ	572 542 1598	4- 31	AF	DS		C
DHAi-3045FCZZ	572 542 1574	4- 27	AF	DS		C
DHAi-3046FCZZ	572 542 1599	4- 30	AG	DX		C
DHAi-3053FC12	572 542 1692	5- 8	AH	DX		C
DHAi-3087FCZZ	572 542 1590	14- 29	AN	EG		C
DHAi-3091FCZZ	572 542 1583	39- 5	AH	DX		C
DHAi-3095FCZZ	572 542 1584	19-102	AE	DJ		C
DHAi-3117FCZZ	572 542 1678	14- 84	AL	EB		C
DHAi-3119FCZZ	572 542 1600	12- 71	AC	DJ		C
DHAi-3120FCZZ	572 542 1665	32- 33	AQ	EQ		C
DHAi-3127FCZZ	572 542 1695	4- 5	AN	EG		C
DHAi-3187FCZZ	572 542 1737	19- 80	AK	DX		C
DHAi-3188FCZZ	572 542 1738	20- 37	AG	DX		C
DHAi-3309FCZZ	572 542 1926	14- 88	AE	DJ		C
DHAi-3310FC11	572 542 2050	14- 20	BD	GJ		C
〃	572 542 2050	15- 58	BD	GJ		C
DHAi-3310FC12	572 542 2104	14- 20	BD	GJ	N	C
〃	572 542 2104	15- 58	BD	GJ	N	C
DHAi-3311FC11	572 542 2063	14- 95	BD	GJ		C
DHAi-3311FC12	572 542 2091	14- 95	BD	GN	N	C
DHAi-3312FC11	572 542 2060	14- 95	BC	GJ		C
DHAi-3312FC12	572 542 2092	14- 95	BC	GJ	N	C
DHAi-3313FC11	572 542 2015	14- 94	AK	EB		C
〃	572 542 2015	15- 55	AK	EB		C
DHAi-3314FC11	572 542 2016	14- 92	AK	DX		C
〃	572 542 2016	15- 56	AK	DX		C
DHAi-3315FC11	572 542 2017	14- 93	AH	DX		C
〃	572 542 2017	15- 57	AH	DX		C
DHAi-3316FC11	572 542 2061	14- 12	BF	GN		C
DHAi-3317FC12	572 542 2067	14- 12	BF	GN		C
DHAi-3318FC11	572 542 2051	15- 59	BF	GN		C
DHAi-3326FC11	572 542 2062	5- 1	AX	FG		C
DHAi-3327FCZZ	572 542 1939	19- 64	AY	FQ		C
DHAi-3328FCZZ	572 542 1940	19- 67	AG	DX		C
DHAi-3329FCZZ	572 542 1941	13- 1	AZ	FQ		C
〃	572 542 1941	39- 22	AZ	FQ		C
DHAi-3330FCZZ	572 542 1942	39- 32	AG	DS		C
〃	572 542 1942	5- 24	AG	DS		C
DHAi-3331FCZZ	572 542 1943	39- 31	AF	DS		C
〃	572 542 1943	5- 23	AF	DS		C
DHAi-3368FCZZ	572 542 2105	49- 30	AG	DS	N	C
DHAi-3371FC11	572 542 2093	4- 10	AX	FG	N	C
DUNT-6923FC12	572 685 1988	35-901	BM	HR		E
DUNT-6991FC13	572 685 2082	12-901	BX	TF		E
DUNT-6992FC14	572 685 2071	5-901	CU	VZ		E
〃	572 685 2071	6-901	CU	VZ		E
DUNT-7118FCZZ	572 685 2072	13- 67	CK	UR		E

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【G】						
GCAB-0912FCZZ	572 107 1869	1- 13	AS	EQ		C
GCAB-0913FCZZ	572 107 1870	1- 11	AV	FG		C
GCAB-0914FCZZ	572 107 1871	1- 12	AM	EG		C
GCAB-0915FCZ1	572 107 1885	1- 24	BA	FX		C
GCAB-0917FCZZ	572 107 1874	1- 9	AU	EZ		C
GCAB-0918FCZZ	572 107 1875	1- 25	AU	EZ		C
GCAB-0919FCZ2	572 107 1954	1- 4	AX	FG		C
GCAB-0922FCZ1	572 107 1951	30- 1	AW	FG		C
GCAB-0923FCZ1	572 107 1887	1- 10	BA	FX		C
GCAB-0923FCZ2	572 107 1899	1- 10	BA	FX		C
GCAB-0977FCZZ	572 107 2055	1- 3	AY	FQ		C
GCAB-0978FCZZ	572 107 1989	1- 58	AL	EB		C
GCAB-0979FCZZ	572 107 1990	1- 59	AL	EB		C
GLEGM0071FCZZ	572 123 0104	13- 21	AR	EQ		C
GLEGM0072FCZZ	572 123 0105	13- 20	AQ	EQ		C
【H】						
HiNDP0777FCG1	572 156 0935	40-109	AH	DX		C
〃	572 156 0935	4- 20	AH	DX		C
HiNDP0777FCG2	572 156 0936	40-109	AH	DX		C
〃	572 156 0936	4- 20	AH	DX		C
HiNDP0777FCG3	572 156 0937	40-109	AH	DX		C
〃	572 156 0937	4- 20	AH	DX		C
HiNDP0777FCG4	572 156 0938	4- 20	AH	DX		C
HiNDP0777FCGZ	572 156 0934	4- 20	AH	DX		C
HiNDP0844FCG1	572 156 0940	40-110	AE	DS		C
HiNDP0844FCG2	572 156 0941	40-110	AE	DS		C
HiNDP0844FCGZ	572 156 0939	40-110	AE	DS		C
HPNLC0239FCZ1	572 158 0691	4- 1	AY	FQ		C
HPNLH0238FCZ1	572 158 0661	4- 12	BF	GN		C
【J】						
JBTN-0243FCGZ	572 170 0479	4- 21	AK	EB		C
JHNDP0149FCZZ	572 172 0176	1- 35	AW	FG		C
JKNBZ0139FCZ1	572 174 0354	20- 65	AD	DJ		C
【L】						
LANGK8132PAZZ	595 200 0435	67- 1	AC	DJ		C
LBNDJ0011FCZZ	572 201 0030	39- 16	AB	DD		C
LBNDJ0013FCZ1	572 201 0118	12- 70	AA	DJ		C
〃	572 201 0118	14- 77	AA	DJ		C
〃	572 201 0118	19- 95	AA	DJ		C
〃	572 201 0118	20- 47	AA	DJ		C
〃	572 201 0118	32- 51	AA	DJ		C
〃	572 201 0118	33- 22	AA	DJ		C
〃	572 201 0118	4- 9	AA	DJ		C
〃	572 201 0118	5- 42	AA	DJ		C
〃	572 201 0118	6- 16	AA	DJ		C
〃	572 201 0118	7- 23	AA	DJ		C
LBNDJ0037FCZ1	572 201 0119	24- 19	AA	DJ		C
LBNDJ0043FCZ1	572 201 0125	14- 34	AA	DJ		C
LBNDJ0050FCZZ	572 201 0024	10- 38	AA	DD		C
LBNDZ0074FCZZ	572 201 0166	1- 34	AE	DJ		C
LBŌSZ0979FCZZ	572 202 0266	32- 17	AF	DS		C
LBŌSZ1124FCZZ	572 202 0298	32- 20	AF	DS		C
LBŌSZ1125FCZZ	572 202 0299	32- 23	AC	DD		C
LBŌSZ1998FCZZ	572 202 0424	32- 46	AC	DJ		C
LBŌSZ2004FCZZ	572 202 0422	13- 95	AE	DS		C
LBŌSZ2007FCZ1	572 202 0432	13- 98	AF	DS		C
LBRC-0048FCZ3	572 203 0587	35- 24	AQ	EQ		C
LBSHC0124FCZZ	572 204 0123	15- 41	AA	DD		C
LBSHC0196FCZZ	572 204 0167	14- 99	AA	DD		C
LBSHC0272FCZZ	572 204 0053	15- 47	AC	DD		C
LBSHC0339FCZZ	572 204 0356	14- 45	AC	DJ		C
LBSHC0346FCZZ	572 204 0412	13-113	AC	DJ		C
LBSHC0349FCZZ	572 204 0422	15- 62	AD	DJ		C
LBSHC0353FCZZ	572 204 0452	19-111	AC	DJ		C
LDAiU0589FCZZ	572 210 1130	13- 3	AZ	FQ		C
LDAiU0590FCZ1	572 210 1156	21- 20	AN	EQ		C
LDAiU0591FCZZ	572 210 1132	12- 37	AE	DJ		C
LDAiU0596FCZZ	572 210 1148	7- 5	AS	EQ		C
LDAiU0597FCZZ	572 210 1149	7- 11	AF	DS		C
LDAiU0605FCZZ	572 210 1141	15- 3	AK	EB		C
LDAiU0606FCZZ	572 210 1142	13- 69	AE	DJ		C
LFiX-0016FCZZ	572 211 0172	14- 35	AD	DJ		C
LFiX-0084FCZZ	572 211 0372	14- 35	AC	DD		C
LFiX-0441FCZZ	572 211 0500	19- 27	AB	DD		C
LFiX-0442FCZZ	572 211 0501	19- 60	AB	DD		C
LFiX-0516FCZZ	572 211 0654	1- 7	AL	EB		C
LFiX-0566FCZZ	572 211 0728	5- 15	AE	DS		C
LFRM-0745FCZZ	572 213 1023	32- 30	AE	DJ		C
LFRM-0980FCZZ	572 213 2002	24- 26	AF	DS		C
LFRM-0981FCZZ	572 213 2003	21- 23	AP	EQ		C

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			Ex.	Ja.		
LFRM-0982FCZZ	572 213 2004	12- 58	AV	FG		C
LFRM-0984FCZZ	572 213 2005	12- 11	AQ	EQ		C
LFRM-0999FCZZ	572 213 2016	16- 11	AQ	EQ		C
LFRM-1000FCZZ	572 213 2017	16- 1	AN	EG		C
LHLDW0595FCZZ	572 214 0467	10- 36	AC	DD		C
〃	572 214 0467	19-114	AC	DD		C
LHLDW1009ACZZ	541 214 5023	19-115	AA	DD		C
LHLDW1013FCZZ	572 214 0640	19-116	AB	DD		C
〃	572 214 0640	20- 26	AB	DD		C
LHLDW1152FCZZ	572 214 1345	1- 18	AC	DJ		C
LHLDW1226FCZZ	572 214 1450	40- 21	AB	DJ		C
LHLDW1263FCZZ	572 214 1529	19- 62	AC	DJ		C
LHLDW1275FCZZ	572 214 1537	14- 80	AB	DJ		C
〃	572 214 1537	15- 60	AB	DJ		C
LHLDW1426FCZZ	572 214 1939	12- 56	AC	DJ		C
〃	572 214 1939	5- 46	AC	DJ		C
LHLDW1504FCZZ	572 214 2138	15- 54	AC	DJ		C
LHLDW1506FCZZ	572 214 2217	24- 34	AD	DJ		C
LHLDW2047SCZZ	588 214 0048	19- 21	AA	DD		C
LHLDZ1359FCZZ	572 214 1778	4- 7	AL	EB		C
LHLDZ1360FCZZ	572 214 1779	4- 23	AH	DX		C
LHLDZ1363FCZZ	572 214 1781	13- 29	AD	DJ		C
LHLDZ1364FCZZ	572 214 1782	13- 30	AD	DJ		C
LHLDZ1381FCZZ	572 214 1799	5- 22	AL	EB		C
LHLDZ1384FCZZ	572 214 1801	33- 23	AE	DS		C
LHLDZ1390FCZZ	572 214 1941	21- 13	AN	EG		C
LHLDZ1392FCZ1	572 214 1999	12- 25	AG	DX		C
LHLDZ1394FCZ1	572 214 2001	12- 21	AG	DX		C
LHLDZ1395FCZZ	572 214 1945	12- 30	AG	DS		C
LHLDZ1397FCZZ	572 214 1947	10- 12	AF	DS		C
〃	572 214 1947	13- 12	AF	DS		C
〃	572 214 1947	15- 40	AF	DS		C
LHLDZ1399FCZZ	572 214 1949	19- 56	AC	DJ		C
〃	572 214 1949	20- 21	AC	DJ		C
LHLDZ1401FCZZ	572 214 1950	10- 29	AT	EZ		C
LHLDZ1407FCZZ	572 214 1952	15- 13	AK	DX		C
LHLDZ1408FCZZ	572 214 1953	38- 11	AK	DX		C
LHLDZ1409FCZZ	572 214 1954	38- 2	AG	DX		C
LHLDZ1414FCZZ	572 214 1957	13- 11	AF	DS		C
〃	572 214 1957	15- 39	AF	DS		C
LHLDZ1416FCZZ	572 214 1958	13- 46	AH	DX		C
LHLDZ1421FCZZ	572 214 1959	15- 7	AE	DS		C
LHLDZ1434FCZZ	572 214 1985	32- 58	AE	DJ		C
LHLDZ1450FCZZ	572 214 2012	37- 13	AH	DX		C
LPFTF0082FCZZ	572 217 0053	15- 44	AC	DJ		C
〃	572 217 0053	22- 10	AC	DJ		C
LPFTF0102FCZZ	572 217 0097	15- 26	AC	DJ		C
LPiN-0277FCZZ	572 218 0350	1- 17	AB	DJ		C
LPiNS0075FCZZ	572 218 0069	21- 26	AB	DD		C
LPiNS0096FCZZ	572 218 0079	15- 45	AB	DD		C
〃	572 218 0079	19- 51	AB	DD		C
〃	572 218 0079	22- 11	AB	DD		C
〃	572 218 0079	24- 3	AB	DD		C
LPiNS0133FCZZ	572 218 0086	20- 7	AA	DD		C
〃	572 218 0086	24- 8	AA	DD		C
LPiNS0155FCZZ	572 218 0052	24- 30	AA	DD		C
LPiNS0165FCZZ	572 218 0087	21- 3	AB	DD		C
〃	572 218 0087	32- 6	AB	DD		C
LPiNS0317FCZZ	572 218 0537	35- 18	AB	DJ		C
LPiNS0319FCZZ	572 218 0538	35- 41	AB	DJ		C
LPiNS0322FCZZ	572 218 0555	12- 42	AC	DJ		C
LPiNS0325FCZZ	572 218 0588	20- 66	AB	DJ		C
LPLTK5619FCZZ	572 221 7289	1- 36	AE	DJ		C
LPLTK5620FCZZ	572 221 7290	1- 36	AE	DJ		C
LPLTK5621FCZZ	572 221 7291	1- 36	AE	DJ		C
LPLTM2573FCZ1	572 221 2384	1- 28	AD	DJ		C
LPLTM4057FCZ2	572 221 7315	35- 25	AH	DX		C
LPLTM4057FCZZ	572 221 4309	35- 42	AF	DS		C
LPLTM4714FCZZ	572 221 5248	7- 18	AE	DS		C
LPLTM5394FCZZ	572 221 6699	21- 15	AD	DJ		C
LPLTM5430FCZZ	572 221 6726	5- 2	AP	EQ		C
LPLTM5434FCZ1	572 221 7141	6- 3	AC	DJ		C
LPLTM5457FCZZ	572 221 6746	35- 33	AE	DJ		C
LPLTM5488FCZZ	572 221 6863	5- 5	AE	DJ		C
LPLTM5497FCZZ	572 221 7199	14- 48	AP	EQ		C
LPLTM5502FCZZ	572 221 7201	13- 23	AF	DS		C
LPLTM5503FCZZ	572 221 7202	13- 55	AF	DS		C
LPLTM5504FCZZ	572 221 7203	13- 25	AE	DJ		C
LPLTM5505FCZZ	572 221 7204	13- 50	AG	DX		C
LPLTM5506FCZZ	572 221 7205	13- 47	AG	DX		C
LPLTM5507FCZ1	572 221 7427	13- 49	AF	DS		C

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			Ex.	Ja.		
LPLTM5508FCZZ	572 221 7207	13- 51	AS	EQ		C
LPLTM5511FCZZ	572 221 7208	13- 42	AP	EQ		C
LPLTM5515FCZZ	572 221 7209	14- 42	AN	EQ		C
LPLTM5525FCZ1	572 221 7397	12- 32	AG	DX		C
LPLTM5526FCZZ	572 221 7214	37- 5	AN	EG		C
LPLTM5528FCZZ	572 221 7215	12- 34	AL	EB		C
LPLTM5530FCZZ	572 221 7217	12- 64	AE	DJ		C
LPLTM5531FCZZ	572 221 7218	12- 63	AF	DS		C
LPLTM5540FCZZ	572 221 7227	10- 9	AL	EB		C
LPLTM5543FCZZ	572 221 7229	10- 10	AL	EB		C
LPLTM5544FCZZ	572 221 7230	10- 14	AE	DS		C
LPLTM5547FCZZ	572 221 7233	5- 25	AN	EQ		C
LPLTM5550FCZZ	572 221 7236	5- 20	AM	EG		C
LPLTM5557FCZ2	572 221 7398	19- 31	AK	DX		C
LPLTM5560FCZZ	572 221 7242	19- 53	AG	DX		C
LPLTM5563FCZ1	572 221 7301	20- 38	AF	DS		C
LPLTM5575FCZZ	572 221 7248	30- 3	AE	DS		C
LPLTM5583FCZZ	572 221 7249	38- 7	AF	DS		C
LPLTM5587FCZZ	572 221 7250	13- 34	AF	DS		C
LPLTM5588FCZZ	572 221 7251	13- 33	AF	DS		C
LPLTM5602FCZZ	572 221 7252	13- 64	AG	DX		C
LPLTM5605FCZZ	572 221 7254	13- 15	AF	DS		C
LPLTM5606FCZZ	572 221 7255	6- 19	AG	DX		C
LPLTM5610FCZ1	572 221 7387	10- 24	AK	DX		C
LPLTM5611FCZZ	572 221 7257	14- 49	AG	DX		C
LPLTM5612FCZZ	572 221 7258	14- 11	AL	EB		C
LPLTM5613FCZZ	572 221 7259	14- 27	AR	EQ		C
LPLTM5616FCZZ	572 221 7260	12- 61	AH	DX		C
LPLTM5626FCZZ	572 221 7265	6- 17	AF	DS		C
LPLTM5631FCZZ	572 221 7267	14- 47	AK	DX		C
LPLTM5632FCZZ	572 221 7268	14- 46	AG	DS		C
LPLTM5634FCZZ	572 221 7270	15- 38	AG	DX		C
LPLTM5637FCZZ	572 221 7271	38- 10	AD	DJ		C
LPLTM5639FCZZ	572 221 7272	14- 23	AG	DX		C
LPLTM5642FCZZ	572 221 7296	1- 37	AF	DS		C
LPLTM5643FCZZ	572 221 7297	1- 38	AE	DS		C
LPLTM5644FCZZ	572 221 7273	13- 9	AM	EG		C
LPLTM5653FCZ1	572 221 7298	12- 15	AK	DX		C
LPLTM5672FCZ1	572 221 7525	13- 92	AE	DJ		C
LPLTM5673FCZ1	572 221 7395	13- 89	AT	EZ		C
LPLTM5674FCZZ	572 221 7278	13- 90	AS	EQ		C
LPLTM5677FCZZ	572 221 7304	13-102	AE	DJ		C
LPLTM5696FCZZ	572 221 7414	10- 49	AF	DS		C
LPLTM5697FCZZ	572 221 7415	10- 50	AE	DJ		C
LPLTM5771FCZZ	572 221 7456	19- 96	AH	DX		C
LPLTM5772FCZ1	572 221 7537	20- 34	AM	EG		C
LPLTM5773FCZZ	572 221 7458	20- 1	AG	DX		C
LPLTM5774FCZ1	572 221 7554	19- 7	AK	DX		C
LPLTM5939FCZZ	572 221 7546	5- 6	AE	DJ		C
LPLTM5947FCZZ	572 221 7748	39- 14	AK	EB		C
LPLTM5949FCZZ	572 221 7749	14- 21	AR	EQ		C
〃	572 221 7749	15- 51	AR	EQ		C
LPLTM5951FCZ1	572 221 7942	14- 91	AE	DJ		C
LPLTM5953FCZZ	572 221 7752	35- 44	AE	DJ		C
LPLTP5591FCZZ	572 221 7281	19- 81	AL	EB		C
LPLTP5597FCZ2	572 221 7943	7- 15	AS	EZ		C
LPLTP5598FCZZ	572 221 7303	7- 8	AR	EQ		C
LRALM0156FCZZ	572 223 0208	6- 38	AH	DX		C
LRALM0171FCZZ	572 223 0240	13- 41	AN	EG		C
LRALM0173FCZZ	572 223 0242	6- 40	AG	DX		C
LSOU-0166FCZZ	572 226 0533	33- 19	AS	EQ		C
LSOU-0167FCZZ	572 226 0534	33- 25	AU	EZ		C
LSOU-0174FCZ1	572 226 0631	33- 1	AP	EQ		C
LSOU-0174FCZ2	572 226 0668	33- 1	AR	EQ	N	C
LSOU-0175FCZZ	572 226 0615	33- 26	AY	FQ		C
LSTPG0351FCZZ	572 230 0506	1- 46	AF	DS		C
LSTPP0274FCZZ	572 230 0326	12- 66	AA	DD		C
LSTPP0278FCZZ	572 230 0328	32- 56	AC	DD		C
LSTPP0279FCZZ	572 230 0323	15- 25	AB	DD		C
〃	572 230 0323	22- 9	AB	DD		C
〃	572 230 0323	32- 5	AB	DD		C
〃	572 230 0323	35- 6	AB	DD		C
LSTPP0344FCZZ	572 230 0473	13- 80	AC	DJ		C
LSTPP0345FCZZ	572 230 0474	13- 81	AC	DJ		C
LSTPP0348FCZZ	572 230 0500	16- 15	AD	DJ		C
LSTYM0236FCZZ	572 231 0430	13- 27	AM	EG		C
LSTYM0238FCZZ	572 231 0432	19- 30	AN	EG		C
LSTYM0239FCZZ	572 231 0433	19- 89	AD	DJ		C
LSTYM0246FCZ1	572 231 0459	1- 60	AM	EG		C
LSTYM0247FCZZ	572 231 0439	15- 16	AH	DX		C
LSTYP0244FCZZ	572 231 0442	33- 17	AP	EQ		C

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			Ex.	Ja.		
LSUPP0083FCZZ	572 233 0113	14- 43	AB	DJ		C
LSUPP0086FCZZ	572 233 0116	14- 28	AB	DJ		C
LSUPP0109FCZZ	572 233 0127	14- 82	AC	DJ		C
LSUPP0112FCZZ	572 233 0137	15- 2	AC	DJ		C
〃	572 233 0137	19- 66	AC	DJ		C
LSUPP0113FCZZ	572 233 0138	19-119	AC	DJ		C
LSUPP0114FCZZ	572 233 0139	21- 33	AC	DJ		C
LSUPP0115FCZZ	572 233 0140	5- 12	AB	DJ		C
LSUPP0117FCZZ	572 233 0142	5- 19	AC	DJ		C
LSUPP0121FCZZ	572 233 0147	65- 1	AC	DJ		C
LSUPP0122FCZZ	572 233 0148	15- 52	AC	DJ		C
LSUPP0123FCZZ	572 233 0149	15- 53	AC	DJ		C
LX-BZ0049FCZZ	572 970 0353	6- 8	AB	DD		C
LX-BZ0241PAZZ	571 970 0847	67- 2	AA	DD		C
LX-BZ0254PAZZ	595 970 0584	67- 3	AB	DD		C
LX-BZ0256PAZZ	578 970 0217	67- 4	AB	DD		C
LX-BZ0273PAZZ	595 970 0585	67- 5	AB	DD		C
LX-BZ0324FCZZ	572 970 0197	6- 10	AA	DD		C
LX-BZ0334FCZZ	572 970 0244	19-101	AA	DD		C
LX-BZ0335FCZZ	572 970 0245	5- 10	AA	DD		C
LX-BZ0342FCZZ	572 970 0256	10- 52	AB	DD		C
〃	572 970 0256	13-100	AB	DD		C
LX-BZ0422PAZZ	578 970 0218	67- 6	AB	DD		C
LX-BZ0610FCZZ	572 970 0045	33- 31	AA	DD		C
LX-BZ0618FCZZ	572 970 0056	6- 37	AA	DD		C
LX-BZ0714FCZZ	572 970 1455	13- 54	AC	DD		C
LX-BZ0736FCZZ	572 970 1499	20- 20	AB	DD		C
LX-BZ0773FCZZ	572 970 1591	13- 53	AH	DX		C
〃	572 970 1591	21- 22	AH	DX		C
LX-BZ0780FCZZ	572 970 1611	10- 30	AC	DD		C
LX-BZ0848FCZZ	572 970 1903	13- 83	AC	DD		C
LX-BZ0850FCZZ	572 970 1977	14- 14	AC	DD		C
LX-BZ0852FCZZ	572 970 1978	12- 20	AC	DD		C
LX-BZ0853FCZZ	572 970 1979	12- 18	AC	DD		C
LX-BZ0855FCZZ	572 970 1980	12- 8	AC	DD		C
LX-BZ0858FCZZ	572 970 1981	16- 2	AA	DD		C
LX-BZ0859FCZZ	572 970 1982	38- 3	AC	DD		C
LX-BZ0862FCZZ	572 970 1984	13- 35	AC	DD		C
LX-BZ0863FCZZ	572 970 1985	13- 16	AD	DD		C
LX-BZ0866FCZZ	572 970 1986	37- 6	AC	DD		C
LX-BZ0870FCZZ	572 970 1987	10- 32	AD	DD		C
LX-BZ0878FCZZ	572 970 1989	10- 34	AE	DJ		C
LX-BZ0880FCZZ	572 970 1990	13- 57	AB	DD		C
LX-BZ0881FCZZ	572 970 1991	13- 36	AC	DD		C
LX-BZ0882FCZZ	572 970 1992	19- 26	AD	DD		C
LX-BZ0883FCZZ	572 970 1993	12- 5	AB	DD		C
〃	572 970 1993	13- 88	AB	DD		C
LX-BZ0886FCZZ	572 970 1994	40- 13	AE	DS		C
LX-BZ0888FCZZ	572 970 1995	13- 97	AC	DD		C
LX-BZ0889FCZZ	572 970 1996	13- 91	AA	DD		C
LX-BZ0892FCZZ	572 970 2001	1- 21	AB	DD		C
LX-BZ0895FCZZ	572 970 2030	13-114	AC	DD		C
LX-BZ0896FCZZ	572 970 2036	1- 57	AC	DD		C
LX-BZ0898FCZZ	572 970 2035	6- 33	AC	DD		C
LX-BZ0899FCZZ	572 970 2038	21- 46	AC	DD		C
LX-BZ0900FCZZ	572 970 2031	19-109	AC	DD		C
LX-BZ0911FCZZ	572 970 2039	19-107	AC	DD		C
LX-BZ0924FCZZ	572 970 2061	20- 61	AD	DJ		C
LX-BZ0956FCZZ	572 970 2347	39- 39	AB	DD		C
LX-BZ1005YCZZ	521 970 0014	33- 16	AB	DD		C
LX-BZ4008SC0S	572 970 0018	14- 32	AA	DD		C
LX-LZ0024FCZZ	572 973 0004	5- 31	AC	DD		C
LX-WZ0017FCZZ	572 990 0198	22- 22	AA	DD		C
LX-WZ0326FCZZ	572 990 0386	40- 14	AA	DD		C
LX-WZ0431FCZZ	572 990 0491	13- 18	AC	DD		C
LX-WZ0436FCZZ	572 990 0492	33- 30	AB	DD		C
LX-WZ0438FCZZ	572 990 0500	33- 29	AC	DD		C
LX-WZ0439FCZZ	572 990 0508	20- 63	AB	DD		C
【M】						
MARMP0116FCZZ	572 240 0063	32- 13	AC	DJ		C
MARMP0117FCZ1	572 240 0155	32- 12	AD	DS		C
MARMP0151FCZZ	572 240 0147	18- 7	AB	DD		C
MARMP0194FCZZ	572 240 0217	32- 2	AG	DX		C
MARMP0250FCZZ	572 240 0311	35- 19	AC	DJ		C
MARMP0255FCZZ	572 240 0361	19- 82	AC	DJ		C
MHNG-0204FCZ1	572 246 0391	1- 19	AD	DJ		C
MHNG-0205FCZZ	572 246 0387	1- 20	AH	DX		C
〃	572 246 0387	13- 26	AH	DX		C
MHNG-0206FCZZ	572 246 0388	19- 12	AD	DJ		C
MJNTP0021FCZZ	572 247 0031	21- 14	AN	EG		C
MLEVF0209FCZZ	572 248 0464	14- 24	AD	DJ		C

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			Ex.	Ja.		
MLEVF0801FCZ1	572 248 1218	20- 48	AE	DS		C
MLEVF0802FCZ1	572 248 1219	20- 25	AE	DS		C
MLEVP0588FCZZ	572 248 0698	35- 16	AB	DD		C
MLEVP0601FCZZ	572 248 0701	35- 29	AC	DJ		C
MLEVP0609FCZZ	572 248 0719	32- 50	AC	DD		C
MLEVP0695FCZZ	572 248 0881	35- 28	AC	DJ		C
MLEVP0734FCZ1	572 248 1095	33- 21	AF	DS		C
MLEVP0738FCZZ	572 248 0970	32- 29	AC	DJ		C
MLEVP0739FCZZ	572 248 0971	32- 28	AD	DJ		C
MLEVP0761FCZZ	572 248 1069	35- 7	AD	DJ		C
MLEVP0762FCZZ	572 248 1070	35- 10	AD	DJ		C
MLEVP0771FCZZ	572 248 1179	12- 39	AD	DJ		C
MLEVP0772FCZ1	572 248 1207	12- 53	AE	DJ		C
MLEVP0880FCZZ	572 248 1380	32- 50	AD	DJ	N	C
MSLi-0057FCZZ	572 256 0087	7- 9	AC	DD		C
MSLi-0135FCZZ	572 256 0170	13- 48	AR	EQ		C
MSLi-0136FCZ1	572 256 0173	13- 4	AZ	FQ		C
MSLi-0137FCZZ	572 256 0172	13- 28	AZ	FQ		C
MSPRC0950FCZZ	572 258 1082	14- 13	AB	DD		C
MSPRC1315FCZ1	572 258 2131	32- 19	AD	DJ		C
MSPRC1317FCZZ	572 258 1279	32- 31	AA	DD		C
MSPRC1318FCZZ	572 258 1285	32- 27	AA	DD		C
MSPRC1416FCZZ	572 258 0237	19- 77	AA	DD		C
MSPRC1544FCZ1	572 258 3386	32- 21	AF	DS		C
MSPRC2382FCZZ	572 258 2457	35- 37	AG	DX		C
MSPRC2658FCZZ	572 258 2882	35- 14	AC	DJ		C
MSPRC2674FCZZ	572 258 2973	35- 34	AC	DJ		C
MSPRC2699FCZZ	572 258 2982	35- 17	AC	DJ		C
MSPRC2718FCZZ	572 258 3336	22- 19	AC	DJ		C
MSPRC2719FCZZ	572 258 3337	21- 45	AD	DJ		C
MSPRC2720FCZZ	572 258 3338	12- 2	AC	DJ		C
MSPRC2722FCZZ	572 258 3339	12- 41	AC	DJ		C
MSPRC2723FCZ1	572 258 3522	12- 36	AC	DJ		C
MSPRC2724FCZZ	572 258 3341	12- 28	AC	DJ		C
MSPRC2725FCZZ	572 258 3342	12- 9	AC	DJ		C
MSPRC2727FCZZ	572 258 3344	12- 54	AC	DJ		C
MSPRC2737FCZZ	572 258 3352	6- 18	AC	DJ		C
MSPRC2741FCZZ	572 258 3353	19- 25	AC	DJ		C
MSPRC2749FCZ1	572 258 3476	19- 88	AC	DJ		C
MSPRC2755FCZ1	572 258 3528	30- 8	AB	DJ		C
MSPRC2756FCZ1	572 258 3397	32- 38	AC	DJ		C
MSPRC2757FCZZ	572 258 3388	32- 55	AC	DJ		C
MSPRC2758FCZZ	572 258 3389	32- 10	AC	DJ		C
MSPRC2759FCZZ	572 258 3390	32- 37	AC	DJ		C
MSPRC2760FCZZ	572 258 3391	32- 45	AF	DS		C
MSPRC2765FCZZ	572 258 3362	15- 8	AB	DJ		C
MSPRC2766FCZ1	572 258 3530	15- 12	AC	DJ		C
MSPRC2767FCZZ	572 258 3364	17- 9	AC	DJ		C
MSPRC2768FCZZ	572 258 3365	16- 9	AC	DJ		C
MSPRC2771FCZZ	572 258 3366	13- 32	AC	DJ		C
MSPRC2785FCZ1	572 258 3531	21- 5	AD	DJ		C
MSPRC2814FCZZ	572 258 3448	33- 8	AC	DJ		C
MSPRC2817FCZZ	572 258 3473	10- 51	AC	DJ		C
MSPRC2833FCZ1	572 258 3519	20- 24	AF	DJ		C
MSPRC2872FCZZ	572 258 3485	20- 30	AC	DJ		C
MSPRC3025FCZZ	572 258 3774	13-118	AD	DJ		C
MSPRP2101FCZZ	572 258 1988	7- 12	AC	DJ		C
MSPRP2362FCZZ	572 258 2378	35- 26	AC	DJ		C
MSPRP2739FCZZ	572 258 3395	7- 16	AG	DS		C
MSPRP2740FCZZ	572 258 3396	7- 6	AK	DX		C
MSPRP2773FCZZ	572 258 3379	22- 17	AC	DJ		C
MSPRP2777FCZZ	572 258 3382	16- 23	AD	DJ		C
MSPRT2799FCZZ	572 258 3384	19- 75	AD	DJ		C
MSPRT2804FCZ1	572 258 3450	13- 99	AC	DJ		C
MSPRT2816FCZZ	572 258 3459	19- 6	AC	DJ		C
MSPRT2873FCZZ	572 258 3486	20- 3	AB	DJ		C
【N】						
NBLTH0313FCZZ	572 271 0614	15- 23	AL	EB		B
NBLTH0314FCZZ	572 271 0615	15- 24	AK	DX		B
NBLTH0317FCZZ	572 271 0618	6- 24	AH	DX		B
NBLTH0319FCZ1	572 271 0739	15- 30	AG	DX	N	B
NBLTH0319FCZZ	572 271 0619	15- 30	AH	DX		B
NBLTH0321FCZZ	572 271 0620	21- 39	AG	DX		B
NBRGC0080FCZ1	572 272 0504	12- 65	AD	DJ		C
NBRGC0100FCZ1	572 272 0465	19- 74	AC	DJ		C
NBRGC0136FCZ1	572 272 0481	24- 25	AC	DJ		C
NBRGC0150FCZZ	572 272 0232	19- 84	AD	DJ		C
NBRGC0188FCZZ	572 272 0243	20- 8	AB	DD		C
NBRGC0346FCZ1	572 272 0727	15- 9	AD	DJ		C
NBRGC0387FCZ1	572 272 0471	30- 16	AC	DJ		C
NBRGC0456FCZZ	572 272 0416	20- 67	AB	DD		C

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			Ex.	Ja.		
NBRGC0504FCZZ	572 272 0467	21- 27	AC	DJ		C
〃	572 272 0467	22- 18	AC	DJ		C
〃	572 272 0467	24- 5	AC	DJ		C
〃	572 272 0467	32- 35	AC	DJ		C
NBRGC0632FCZZ	572 272 0694	12- 72	AE	DS		C
NBRGP0084GCZ1	578 272 0111	19- 47	AF	DS		C
NBRGP0299FCZZ	572 272 0013	17- 14	AC	DJ		C
NBRGP0321FCZZ	572 272 0022	21- 7	AD	DJ		C
NBRGP0322FCZZ	572 272 0156	21- 12	AC	DD		C
NBRGP0549FCZZ	572 272 0529	35- 12	AC	DJ		C
NBRGP0598FCZZ	572 272 0634	32- 4	AC	DJ		C
NBRGP0608FCZZ	572 272 0687	16- 18	AF	DS		C
NBRGP0623FCZZ	572 272 0690	13- 6	AC	DJ		C
NBRGP0663FCZZ	572 272 0724	17- 4	AE	DS		C
NBRGP0664FCZZ	572 272 0725	16- 20	AD	DJ		C
NBRGP0665FCZZ	572 272 0726	16- 5	AE	DJ		C
NBRGY0131FCZZ	572 272 0216	22- 14	AM	EG		C
NBRGY0466FCZZ	572 272 0425	12- 4	AK	EB		C
〃	572 272 0425	6- 26	AK	EB		C
NCPL-0038FCZ1	572 274 0055	22- 20	AD	DJ		C
NCPL-0039FCZZ	572 274 0050	24- 27	AD	DJ		C
NCPL-0055FCZZ	572 274 0061	21- 4	AC	DJ		C
NFANP0054FCZZ	572 277 0087	14- 8	AZ	FQ		B
NFANP0056FCZZ	572 277 0088	14- 96	AX	FG		B
〃	572 277 0088	6- 14	AX	FG		B
NFANS0061FCZZ	572 277 0092	14- 54	BC	GJ		B
NFLY-0008FCZZ	572 278 0005	15- 33	AS	EQ		C
NGERH0140FCZZ	572 281 0231	24- 21	AC	DD		C
NGERH0314FCZZ	572 281 0602	24- 29	AC	DD		C
NGERH0495FCZZ	572 281 0665	32- 7	AC	DD		C
NGERH0689FCZZ	572 281 0293	21- 30	AF	DS		C
NGERH0861FCZZ	572 281 0939	13- 94	AB	DD		C
〃	572 281 0939	24- 16	AB	DD		C
NGERH0862FCZZ	572 281 0940	13- 93	AB	DD		C
NGERH0866FCZZ	572 281 0955	24- 10	AC	DD		C
NGERH0892FCZZ	572 281 0964	32- 8	AB	DD		C
NGERH1251FCZZ	572 281 1594	19- 24	AD	DJ		C
NGERH1263FCZZ	572 281 1606	35- 2	AC	DJ		C
NGERH1274FCZZ	572 281 1610	35- 5	AC	DJ		C
NGERH1275FCZZ	572 281 1611	35- 9	AM	EG		C
NGERH1282FCZZ	572 281 1613	33- 13	AD	DJ		C
NGERH1287FCZZ	572 281 1854	22- 1	AD	DJ		C
NGERH1292FCZZ	572 281 1856	19-117	AD	DJ		C
〃	572 281 1856	24- 12	AD	DJ		C
NGERH1304FCZZ	572 281 1866	19- 73	AH	DX		C
NGERH1306FCZZ	572 281 1868	20- 6	AD	DJ		C
NGERH1312FCZZ	572 281 1884	30- 14	AM	EG		C
NGERH1313FCZZ	572 281 1880	32- 15	AD	DJ		C
NGERH1314FCZZ	572 281 1881	32- 14	AD	DJ		C
NGERH1322FCZZ	572 281 1870	17- 23	AC	DJ		C
NGERH1323FCZZ	572 281 1871	17- 22	AD	DJ		C
NGERH1324FCZZ	572 281 1872	17- 21	AE	DS		C
NGERH1325FCZZ	572 281 1873	16- 6	AC	DJ		C
NGERH1327FCZZ	572 281 1874	24- 22	AD	DJ		C
NGERH1328FCZZ	572 281 1875	24- 1	AD	DJ		C
NGERH1329FCZZ	572 281 1876	24- 20	AE	DJ		C
NGERH1390FCZZ	572 281 1933	19- 18	AF	DS		C
NGERH1455FCZZ	572 281 1950	19- 50	AH	DX		C
NGERH1463FCZZ	572 281 2123	19-118	AF	DS		C
NGERH1488FCZZ	572 281 2170	24- 13	AE	DJ		C
NGERR1273FCZZ	572 281 1615	33- 12	AD	DJ		C
NPLYZ0167FCZZ	572 284 0122	6- 36	AF	DS		C
NPLYZ0181FCZZ	572 284 0154	6- 5	AB	DD		C
NPLYZ0254FCZZ	572 284 0058	21- 34	AD	DJ		C
NPLYZ0340FCZZ	572 284 0648	6- 32	AC	DJ		C
NPLYZ0351FCZZ	572 284 0724	15- 27	AD	DJ		C
NPLYZ0353FCZZ	572 284 0726	6- 25	AU	FG		C
NPLYZ0357FCZZ	572 284 0727	15- 43	AD	DJ		C
〃	572 284 0727	22- 12	AD	DJ		C
NPLYZ0358FCZZ	572 284 0728	21- 1	AD	DJ		C
NPLYZ0359FCZZ	572 284 0718	6- 7	AM	EG		C
NROLM1370FCZZ	572 287 2031	12- 12	AZ	FQ		C
NROLN1249FCZ1	572 287 2252	19- 76	BC	GD		C
NROLN1249FCZZ	572 287 1949	19- 76	BC	GJ		C
NROLP0896FCZZ	572 287 1092	15- 49	AC	DD		C
NROLP1060FCZZ	572 287 1396	19- 3	AF	DS		C
〃	572 287 1396	32- 53	AF	DS		C
NROLP1082FCZZ	572 287 1431	30- 9	AD	DJ		C
NROLR1218FCZZ	572 287 1736	35- 8	AL	EB		C
NROLR1219FCZZ	572 287 1737	35- 1	AL	EB		C
NROLR1229FCZZ	572 287 1745	35- 32	AL	EB		C

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			Ex.	Ja.		
NROLR1258FCZ1	572 287 1950	19- 52	BC	GD		C
NROLR1264FCZZ	572 287 1941	32- 43	AS	EQ		C
NROLR1265FCZZ	572 287 1942	32- 44	AK	DX		C
NROLR1266FCZZ	572 287 1943	32- 1	AQ	EQ		C
NROLR1267FCZZ	572 287 1944	32- 9	AK	DX		C
NROLR1293FCZZ	572 287 1993	30- 17	AE	DS		C
NROLR1371FCZZ	572 287 2181	20- 9	AQ	EQ		C
NSFTZ2483FCZZ	572 290 2328	35- 3	AE	DS		C
NSFTZ2484FCZZ	572 290 2329	35- 39	AF	DS		C
NSFTZ2510FCZZ	572 290 2508	24- 2	AH	DX		C
NSFTZ2511FCZZ	572 290 2509	24- 23	AH	DX		C
NSFTZ2512FCZZ	572 290 2510	24- 7	AH	DX		C
NSFTZ2513FCZZ	572 290 2511	24- 15	AH	DX		C
NSFTZ2514FCZ1	572 290 2618	21- 9	AG	DX		C
NSFTZ2524FCZZ	572 290 2519	39- 15	AP	EQ		C
NSFTZ2525FCZZ	572 290 2520	13- 86	AE	DJ		C
NSFTZ2533FCZZ	572 290 2523	30- 10	AE	DS		C
NSFTZ2534FCZ1	572 290 2619	32- 11	AH	DX		C
NSFTZ2535FCZ1	572 290 2620	32- 54	AE	DS		C
NSFTZ2536FCZ1	572 290 2621	32- 42	AF	DS		C
NSFTZ2540FCZZ	572 290 2527	13- 68	AR	EQ		C
NSFTZ2541FCZZ	572 290 2528	6- 11	AN	EG		C
NSFTZ2542FCZZ	572 290 2533	21- 28	AG	DX		C
NSFTZ2567FCZZ	572 290 2601	20- 28	AD	DJ		C
NSFTZ2568FCZ1	572 290 2617	19- 5	AH	DX		C
NSFTZ2607FCZZ	572 290 2603	12- 62	AL	EB		C
NSFTZ2609FCZZ	572 290 2613	35- 13	AP	EQ		C
NSFTZ2714FCZZ	572 290 2795	13- 68	AN	EQ		C
NSRW-0026FCZZ	572 292 0036	21- 10	AC	DJ		C
NSRW-0030FCZZ	572 292 0041	17- 1	AF	DS		C
NSRW-0031FCZZ	572 292 0042	16- 13	AH	DX		C
【P】						
PAJS-0015FCZZ	572 301 0017	13- 22	AG	DS		C
PBOX-0118FCZZ	572 307 0427	14- 56	AM	EG		C
PBRSS0201FCZZ	572 310 0318	12- 16	AK	DX		B
PBRSS0203FCZZ	572 310 0319	30- 11	AK	DX		B
PCAPH0074FCZZ	572 312 0064	10- 41	AE	DS		C
PCAPH0077FCZZ	572 312 0065	10- 42	AE	DS		C
PCAPH0078FCZZ	572 312 0066	10- 43	AE	DS		C
PCASZ0292FCZZ	572 315 0197	38- 5	AM	EG		C
PCLC-0287FCZ1	572 316 0371	24- 14	AV	FG		B
PCLC-0290FCZZ	572 316 0359	24- 9	AV	FG		B
PCLC-0301FCZZ	572 316 0374	35- 23	AU	FG		B
PCLR-0373FCBZ	572 318 0398	35- 38	AD	DJ		C
PCLR-0449FCZZ	572 318 0528	12- 3	AC	DJ		C
PCLR-0457FCZZ	572 318 0531	13- 96	AD	DJ		C
PCOVP0911FCZ1	572 323 1715	1- 53	AC	DJ		C
PCOVP0941FCZ1	572 323 1716	1- 52	AC	DJ		C
PCOVP1142FCZZ	572 323 1105	35- 36	AC	DD		C
PCOVP1266FCGZ	572 323 1998	1- 49	AH	DX		C
PCOVP1451FCZZ	572 323 1733	1- 40	AH	DX		C
PCOVP1472FCZZ	572 323 1949	1- 55	AR	EQ		C
PCOVP1473FCZZ	572 323 1950	1- 16	AH	DX		C
〃	572 323 1950	4- 29	AH	DX		C
PCOVP1474FCZZ	572 323 1951	4- 4	AF	DS		C
PCOVP1479FCZZ	572 323 1952	14- 1	AN	EG		C
PCOVP1480FCZZ	572 323 1953	14- 52	AK	DX		C
PCOVP1482FCZZ	572 323 1955	22- 3	AF	DS		C
PCOVP1484FCZZ	572 323 1957	5- 28	AQ	EQ		C
PCOVP1486FCZ3	572 323 2028	19- 8	AY	FQ		C
PCOVP1486FCZ4	572 323 2197	19- 8	AY	FQ		C
PCOVP1488FCZ2	572 323 2043	10- 33	AT	EZ		C
PCOVP1490FCZZ	572 323 1974	32- 36	AN	EG		C
PCOVP1496FCZZ	572 323 1962	17- 20	AY	FQ		C
PCOVP1505FCZZ	572 323 1965	17- 8	AC	DJ		C
PCOVP1621FCZZ	572 323 2155	39- 1	AS	EQ		C
PCOVP1622FCZZ	572 323 2156	39- 34	AE	DJ		C
PCOVP1696FCZZ	572 323 2201	32- 36	AH	DX	N	C
PCOVQ1499FCZZ	572 323 1969	13- 87	AK	EB		C
PCOVW0044PAZZ	572 323 2157	67- 7	AC	DJ		D
PCUSG0360FCZZ	572 326 0402	12- 46	AB	DJ		C
PCUSU0203FCZZ	572 326 0021	7- 10	AE	DS		C
PDMP-0004FCZZ	572 330 0012	6- 20	AP	EQ		C
PDUC-0061FCZZ	572 332 0048	6- 15	AM	EG		C
PDUC-0153FCZZ	572 332 0196	14- 9	AS	EQ		C
PDUC-0154FCZZ	572 332 0197	14- 4	AR	EQ		C
PDUC-0157FCZZ	572 332 0198	13- 52	AY	FQ		C
PFiLD0186FCZZ	572 337 0169	6- 12	AF	DS		C
PFiLZ0271FCZ1	572 337 0389	14- 10	AW	FG		C
PFiLZ0272FCZZ	572 337 0377	14- 51	AV	FG		C
PFiLZ0273FCZ1	572 337 0390	14- 50	AY	FQ		C

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			Ex.	Ja.		
PFLT-0062FCZZ	572 340 0059	19-105	AD	DJ		C
PFLT-0063FCZZ	572 340 0060	19-106	AE	DJ		C
PFTA-0134FCZZ	572 344 0111	1- 32	AF	DS		C
PFTA-0135FCZZ	572 344 0110	1- 62	AE	DJ		C
PGiDH1843FCZZ	572 345 3289	10- 1	AP	EQ		C
PGiDH1844FCZ3	572 345 3588	19- 58	AE	DS		C
PGiDH1849FCZ2	572 345 3429	30- 12	AK	EB		C
PGiDH1851FCZZ	572 345 3304	32- 47	AP	EQ		C
PGiDH1902FCZZ	572 345 3398	20- 42	AG	DX		C
PGiDH1903FCZ1	572 345 3430	20- 59	AN	EG		C
PGiDH1965FCZZ	572 345 3694	12- 45	AL	EB		C
PGiDM1806FCZZ	572 345 2971	33- 3	AE	DJ		C
PGiDM1807FCZZ	572 345 2972	33- 2	AE	DJ		C
PGiDM1825FCZ2	572 345 3395	35- 30	AM	EG		C
PGiDM1852FCZZ	572 345 3295	21- 16	AM	EG		C
PGiDM1856FCZ1	572 345 3370	19- 86	AU	EZ		C
PGiDM1857FCZ1	572 345 3382	19- 85	AT	EZ		C
PGiDM1858FCZZ	572 345 3307	32- 39	AQ	EQ		C
PGiDM1863FCZZ	572 345 3302	18- 1	AG	DX		C
PGiDM2012FCZZ	572 345 3728	33- 3	AE	DJ	N	C
PGiDM2013FCZZ	572 345 3729	33- 2	AE	DJ	N	C
PGiDM2014FCZZ	572 345 3730	32- 39	AP	EQ	N	C
PGLSP0074FCZZ	572 348 0080	1- 27	BA	GJ		C
PGSK-0034FCZZ	572 350 0036	5- 38	AG	DS		C
PGSK-0045FCZZ	572 350 0047	39- 37	AF	DS		C
PGSK-7003XCZZ	569 350 0004	5- 48	AF	DS		C
PGUMS0147FCZZ	572 352 0149	6- 34	AA	DD		C
PGUMS0228FCZZ	572 352 0197	6- 27	AA	DD		C
PGUMS0273FCZZ	572 352 0300	6- 39	AB	DJ		C
PGUMS0297FCZZ	572 352 0336	24- 32	AC	DJ		C
PHOG-0213FCZZ	572 355 0072	14- 72	AB	DD		C
PHOG-1007HCZZ	541 355 1002	15- 46	AC	DD		C
PMAGT0015FCZZ	572 373 0029	19- 87	AD	DJ		C
PMiR-0156FCZZ	572 374 0192	7- 13	AS	EQ		B
PMLT-1136FCZZ	572 375 0844	33- 27	AC	DJ		C
PMLT-1172FCZZ	572 375 0931	22- 16	AC	DJ		C
PMLT-1173FCZ1	572 375 0958	21- 17	AF	DS		C
PMLT-1175FCZ1	572 375 0930	37- 7	AD	DJ		C
PMLT-1182FCZZ	572 375 0919	17- 2	AC	DJ		C
PMLT-1187FCZZ	572 375 0920	17- 3	AC	DJ		C
PMLT-1188FCZ1	572 375 0955	17- 7	AD	DJ		C
PMLT-1190FCZZ	572 375 0922	13- 2	AE	DJ		C
PMLT-1196FCZ1	572 375 0959	14- 57	AD	DJ		C
PMLT-1199FCZZ	572 375 0926	14- 3	AC	DJ		C
PMLT-1217FCZZ	572 375 0927	14- 58	AC	DJ		C
PMLT-1235FCZZ	572 375 0956	17- 24	AC	DJ		C
PMLT-1236FCZZ	572 375 0957	10- 48	AB	DJ		C
PPACG0060FCZZ	572 392 0039	10- 13	AE	DJ		C
PPACG0061FCZZ	572 392 0040	10- 27	AB	DJ		C
PPACG0063FCZZ	572 392 0041	10- 40	AE	DS		C
PPiPA0202FCZZ	572 395 0219	10- 23	AS	EZ		C
PPiPP0109FCZZ	572 395 0039	32- 18	AB	DD		C
PPiPP0124FCZZ	572 395 0026	32- 22	AB	DD		C
PPMPL0001FCZ1	572 396 0002	10- 15	BB	GD		E
PPMPL0002FCZZ	572 396 0004	10- 15	BB	GD	N	E
PRDAR0633PAZZ	572 397 0187	67- 8	AF	DS		C
PRDAR0638PAZZ	572 397 0188	67- 9	AK	DX		C
PREFL0170FCZZ	572 432 0076	7- 4	AL	EB		C
PREFL0171FCZZ	572 432 0077	7- 2	AW	FG		C
PRNGP0025FCZZ	572 399 0036	21- 11	AA	DD		C
PRNGP0083FCZZ	572 399 0187	19- 72	AA	DJ		C
PSEL-0775FCZZ	572 400 0712	18- 9	AD	DJ		C
PSEL-0777FCZ1	572 400 0732	16- 14	AF	DS		C
PSEL-0778FCZ1	572 400 0733	16- 12	AF	DS		C
PSEL-0786FCZ1	572 400 0730	16- 22	AC	DJ		C
PSHEP1804FCZZ	572 403 0991	14- 69	AB	DD		C
PSHEP2348FCZZ	572 403 1821	19- 23	AB	DD		C
PSHEP4636FCZZ	572 403 4627	32- 41	AC	DJ		C
PSHEP4643FCZZ	572 403 4579	16- 3	AC	DJ		C
〃	572 403 4579	38- 12	AC	DJ		C
PSHEP4644FCZZ	572 403 4580	16- 3	AC	DJ		C
〃	572 403 4580	38- 12	AC	DJ		C
PSHEP4645FCZZ	572 403 4581	16- 3	AC	DJ		C
〃	572 403 4581	38- 12	AC	DJ		C
PSHEP4646FCZZ	572 403 4582	16- 3	AB	DJ		C
〃	572 403 4582	38- 12	AB	DJ		C
PSHEP4669FCZZ	572 403 4583	12- 14	AE	DJ		C
PSHEP4756FCZZ	572 403 4617	13-104	AE	DJ		C
PSHEP4760FCZZ	572 403 4586	39- 20	AC	DJ		C
〃	572 403 4586	5- 37	AC	DJ		C
PSHEP4772FCZZ	572 403 4610	39- 18	AC	DJ		C

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			Ex.	Ja.		
PSHEP4777FCZZ	572 403 4613	10- 45	AA	DJ		C
PSHEP4778FCZZ	572 403 4614	10- 46	AC	DJ		C
PSHEP4787FCZ1	572 403 4710	32- 59	AB	DJ		C
PSHEP4804FCZZ	572 403 4833	14- 81	AC	DJ		C
PSHEP4810FCZZ	572 403 4751	13-116	AC	DJ		C
PSHEP4821FCZZ	572 403 4835	37- 12	AD	DJ		C
PSHEP4850FCZZ	572 403 4828	14- 79	AC	DJ		C
PSHEP4854FCZZ	572 403 4839	20- 57	AD	DJ		C
PSHEP4855FCZZ	572 403 4840	20- 58	AD	DJ		C
PSHEP4856FCZZ	572 403 4866	14-100	AC	DJ		C
PSHEP4860FCZZ	572 403 4841	38- 13	AE	DJ		C
PSHEP4922FCZZ	572 403 5006	4- 11	AQ	EQ		C
PSHEP4923FCZZ	572 403 5007	4- 11	AQ	EQ		C
PSHEP4924FCZZ	572 403 5008	4- 11	AQ	EQ		C
PSHEP5005FCZZ	572 403 5108	1- 64	AF	DS		C
PSHEP5041FCZZ	572 403 5129	32- 41	AC	DJ	N	C
PSHEZ1394FCZZ	572 403 1861	40-102	AC	DD		C
PSHEZ2097FCZZ	572 403 1981	40- 12	AF	DS		C
PSHEZ4513FCZZ	572 403 4155	6- 28	AB	DJ		C
PSHEZ4647FCZZ	572 403 4588	37- 8	AE	DJ		C
PSHEZ4650FCZ1	572 403 4589	18- 11	AH	DX		C
PSHEZ4651FCZ1	572 403 4590	18- 12	AF	DS		C
PSHEZ4652FCZ1	572 403 4591	18- 13	AE	DS		C
PSHEZ4661FCZ1	572 403 4592	18- 14	AF	DS		C
PSHEZ4662FCZ1	572 403 4593	18- 15	AG	DS		C
PSHEZ4665FCZZ	572 403 4621	21- 44	AC	DJ		C
PSHEZ4674FCZZ	572 403 4594	13- 8	AG	DX		C
PSHEZ4780FCZZ	572 403 4623	12- 74	AF	DS		C
PSHEZ4788FCZ1	572 403 4682	32- 40	AD	DJ		C
PSHEZ4792FCZZ	572 403 4637	6- 42	AC	DJ		C
PSHEZ4795FCZZ	572 403 4686	19-100	AF	DS		C
PSHEZ4919FCZ1	572 403 5098	39- 38	AB	DJ		C
PSHEZ4919FCZZ	572 403 5010	39- 38	AB	DJ		C
PSHEZ4940FCZ1	572 403 5073	37- 10	AD	DJ		C
PSHT-0076FCZZ	572 407 0099	18- 3	AE	DJ		C
PSHT-0077FCZZ	572 407 0100	18- 4	AE	DJ		C
PSHT-0078FCZZ	572 407 0101	18- 5	AE	DJ		C
PSHT-0079FCZZ	572 407 0102	18- 6	AE	DJ		C
PSHT-0080FCZZ	572 407 0103	18- 8	AE	DJ		C
PSHT-0081FCZZ	572 407 0104	17- 6	AE	DJ		C
PSHT-0082FCZZ	572 407 0106	18- 3	AE	DJ		C
PSHT-0083FCZZ	572 407 0107	18- 4	AE	DJ		C
PSHT-0084FCZZ	572 407 0108	18- 5	AE	DJ		C
PSHT-0085FCZZ	572 407 0109	18- 6	AE	DJ		C
PSHT-0086FCZZ	572 407 0105	16- 8	AD	DJ		C
PSLDM0180FCZZ	572 408 0144	39- 40	AE	DS		C
PSPAF1422FCZZ	572 413 0697	1- 51	AA	DJ		C
PSPAZ1418FCZZ	572 413 0691	39- 11	AC	DJ		C
PSPAZ1419FCZZ	572 413 0692	39- 9	AC	DJ		C
PSPAZ1423FCZZ	572 413 0706	10- 54	AD	DJ		C
PSPAZ1428FCZZ	572 413 0735	37- 14	AD	DJ		C
PSRA-0042FCZZ	572 416 0064	19- 55	AU	EZ		C
PTME-0271FCZZ	572 420 0296	33- 7	AD	DJ		C
PTME-0274FCZZ	572 420 0314	12- 40	AH	DX		C
PTME-0275FCZZ	572 420 0315	1- 39	AD	DJ		C
PTME-0276FCZ1	572 420 0320	20- 4	AK	EB		C
PTPE-0258FCZZ	572 423 0230	17- 25	AC	DJ		C
PTUBG0127FCZZ	572 424 0131	10- 22	AD	DJ		C
PTUBR0130FCZZ	572 424 0133	19- 94	AK	DX		C
PWiR-0190FCZZ	572 427 1641	6- 1	AR	EQ		C
PWiR-0197FCZZ	572 427 1642	19- 10	AM	EG		C
PZETO0062PAZZ	578 430 0015	67- 10	AD	DJ		C
PZETO0070PAZZ	578 430 0016	67- 11	AE	DJ		C
【Q】						
QACCE7422QCZZ	572 500 0080	14- 36	BB	GD		B
QACCL8421QCZZ	572 500 0019	14- 36	AW	FX		B
QACCR7421QCZZ	572 500 0086	14- 36	AY	FQ		B
QACCV6420QCZZ	572 500 0021	14- 36	AV	FQ		B
QCNCM0828FCZZ	569 510 0063	47- 1	AE	DS		C
QCNCM0829FCZZ	572 510 0938	47- 2	AG	DS		C
QCNCM0877FCZZ	572 510 0842	43- 1	AF	DS		C
QCNCM0879FCZZ	572 510 0823	43- 2	AF	DS		C
QCNCM0880FCZZ	572 510 0824	64- 1	AF	DS		C
QCNCM0923FC10	572 510 0876	44- 1	AE	DJ		C
〃	572 510 0876	65- 2	AE	DJ		C
QCNCM0923FC12	572 510 0939	44- 2	AE	DJ		C
〃	572 510 0939	65- 3	AE	DJ		C
QCNCM0923FC14	572 510 0937	43- 3	AE	DJ		C
QCNCM0923FC18	572 510 0877	43- 4	AF	DS		C
〃	572 510 0877	64- 2	AF	DS		C
QCNCM0923FC24	572 510 0870	64- 3	AF	DS		C

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			Ex.	Ja.		
QCNCM0923FC32	572 510 0871	43- 5	AG	DS		C
QCNCM0923FC3D	594 510 0463	43- 6	AF	DS		C
〃	594 510 0463	44- 3	AF	DS		C
QCNCM0991FCZZ	572 510 0996	43-115	AG	DX		C
〃	572 510 0996	64- 4	AG	DX		C
QCNCM0999FCZZ	572 510 1004	24- 33	AC	DJ		C
QCNCM1014FCZZ	572 510 1005	64- 5	AE	DJ		C
QCNCM1030FCZZ	572 510 1076	49- 1	AV	FG		C
QCNCM1069AC0H	596 510 0032	49- 2	AE	DJ		C
QCNCM1069ACZZ	541 510 5071	65- 4	AD	DD		C
QCNCM1176FCZZ	572 510 1211	64- 6	AF	DS		C
QCNCM1177FCZZ	572 510 1212	64- 7	AG	DX		C
QCNCM1179FCZZ	572 510 1222	65- 5	AG	DX		C
QCNCM2322SC0H	594 510 0033	47- 3	AF	DJ		C
QCNCM7014SC0D	595 510 0345	64- 8	AB	DD		C
QCNCM7014SC0F	595 510 0346	43-112	AB	DD		C
〃	595 510 0346	64- 9	AB	DD		C
QCNCM7014SC0G	595 510 0347	44- 4	AB	DD		C
QCNCM7014SC0H	595 510 0348	44- 5	AB	DD		C
QCNCM7014SC0i	595 510 0351	47- 4	AB	DD		C
QCNCM7022SC0B	509 510 5005	49- 5	AB	DD		C
QCNCW0454FCZZ	572 510 0024	43- 7	AC	DD		C
QCNCW0864FCZZ	572 510 0770	65- 6	AG	DX		C
QCNCW0885FCZZ	572 510 0834	43- 8	AG	DX		C
QCNCW0936FCZZ	572 510 0907	44- 6	AD	DJ		C
QCNCW1024FCZZ	572 510 1081	55- 1	AB	DJ		C
QCNCW1026FCZZ	572 510 1090	55- 2	AD	DJ		C
QCNCW1027FCZZ	572 510 1083	54- 1	AE	DJ		C
QCNCW1028FCZZ	572 510 1084	54- 2	AD	DJ		C
QCNCW1029FCZZ	572 510 1085	49- 3	AL	EB		C
QCNCW1031FCZZ	572 510 1086	47- 5	AG	DS		C
〃	572 510 1086	49- 4	AG	DS		C
QCNCW1038FCZZ	572 510 1088	47- 6	AP	EQ		C
QCNCW1047FCZZ	572 510 1126	47- 65	AH	DX		C
QCNCW1052FCZZ	572 510 1112	49- 6	AH	DX		C
QCNCW1124LC0H	594 510 0507	64- 10	AC	DJ		C
QCNCW1169FCZZ	572 510 1214	43-113	AG	DS		C
〃	572 510 1214	64- 11	AG	DS		C
QCNCW1170FCZZ	572 510 1215	43-114	AG	DS		C
〃	572 510 1215	64- 12	AG	DS		C
QCNW-0001QSZZ	572 512 0379	14- 36	AR	EQ		B
QEARP0099FCZZ	572 514 0082	12- 26	AC	DJ		C
QEARP0100FCZZ	572 514 0083	12- 24	AC	DJ		C
QEARP0101FCZZ	572 514 0084	12- 22	AE	DS		C
QEARP0103FCZZ	572 514 0085	15- 10	AF	DS		C
QEARP0105FCZZ	572 514 0087	38- 6	AC	DJ		C
QEARP0107FCZZ	572 514 0088	12- 29	AD	DJ		C
QEARP0110FCZZ	572 514 0089	12- 27	AF	DS		C
QEARP0137FCZZ	572 514 0101	39- 35	AC	DJ		C
QFS-C0054PAZZ	572 515 0512	67- 12	AD	DJ		A
QFSHA0024PAZZ	578 516 0008	67- 13	AC	DJ		C
QLUGP0024PAZZ	572 520 0113	67- 14	AC	DJ		C
QLUGP0034PAZZ	572 520 0114	67- 15	AC	DJ		C
QPLGA0003QCZZ	572 524 0007	14- 67	AN	EQ		C
QPLGA4171CCZZ	571 524 0009	14- 67	AN	EG		C
QPLGZ0622PAZZ	572 524 0126	67- 16	AD	DJ		C
QPLGZ0624PAZZ	572 524 0127	67- 17	AN	EG		C
QSOCZ0073FCZZ	572 527 0115	43- 10	AL	EB		C
〃	572 527 0115	47- 7	AL	EB		C
QSOCZ6428ACZZ	541 527 1013	43- 11	AE	DS		C
〃	541 527 1013	44- 7	AE	DS		C
〃	541 527 1013	47- 8	AE	DS		C
QSW-C9294QCZZ	572 530 0681	14- 61	AF	DS		B
QSW-C9295QCZZ	572 530 0682	4- 26	AL	EB		B
QSW-L0520FCZZ	572 530 0686	33- 14	AH	DX		B
QSW-L0521FCZZ	572 530 0687	33- 15	AG	DX		B
QSW-M0453FCZZ	572 530 0527	14- 25	AM	EQ		B
QSW-M0454FCZZ	572 530 0528	14- 25	AM	EG		B
QSW-M0502FCZZ	572 530 0603	13- 45	AH	DX		B
QSW-P0008QSZZ	572 530 0679	54- 3	AC	DJ		B
〃	572 530 0679	55- 3	AC	DJ		B
QSW-Z0507FCZZ	572 530 0646	30- 18	AP	EQ		B
QSW-Z0523FCZZ	572 530 0685	19- 79	AQ	EQ		C
QTANN0015FCZZ	572 532 0016	14- 66	AG	DS		C
QTANP0092FCZZ	572 532 0025	14- 68	AA	DD		C
QTANZ0426PAZZ	572 532 0214	67- 18	AC	DJ		C
QTANZ0480PAZZ	572 532 0215	67- 19	AC	DJ		C
【R】						
RALMB1002LCZZ	594 601 0010	54- 4	AE	DS		B
RC-EZ0502PAZZ	578 591 0014	67- 20	AE	DJ		C
RC-EZ0646PAZZ	572 591 0088	67- 21	AG	DX		C

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			Ex.	Ja.		
RC-FZ148DPAZZ	572 596 0396	67- 22	AD	DD		C
RC-FZ150DPAZZ	595 596 0357	67- 23	AE	DS		C
RC-FZ163DPAZZ	572 596 0397	67- 24	AG	DX		C
RC-KZ4014PAZZ	572 591 0072	67- 25	AC	DD		C
RCORF0035FCZZ	572 615 0068	5- 41	AM	EG		C
RCORF0038FCZZ	572 615 0076	14- 83	AF	DS		C
RCORF1036ACZZ	596 615 0107	14- 76	AP	EQ		C
RCORF4093PAZZ	572 615 0082	67- 26	AB	DJ		C
RCORF5010BCZZ	588 615 0001	5- 47	AD	EG		C
RC-QZ0130PAZZ	578 596 0023	67- 27	AD	DD		C
RC-QZ0176PAZZ	595 596 0354	67- 28	AD	DJ		C
RC-QZ0218PAZZ	572 596 0382	67- 29	AC	DD		C
RC-QZA103PARJ	572 596 0398	67- 31	AB	DD		C
RC-QZA222PARJ	572 596 0399	67- 32	AB	DD		C
RC-QZA471PARJ	572 596 0400	67- 33	AB	DD		C
RC-QZA472PARJ	572 596 0401	67- 34	AB	DD		C
RC-QZS104PARJ	572 596 0402	67- 35	AC	DD		C
〃	572 596 0402	67- 36	AC	DD		C
RCRMT0002FCZZ	572 616 0124	43- 12	AE	DS		B
RCRS-0007FCZZ	572 616 0004	54- 5	AD	DJ		B
RCRS-0027FCZZ	572 616 0085	43- 13	AF	DS		B
RCRS-0046FCZZ	572 616 0121	47- 9	AG	DX		B
RCRS-0047FCZZ	572 616 0122	47- 10	AG	DX		B
RCRSP0067FCZZ	572 616 0151	47- 84	AG	DX		B
RCRSP1036CCZZ	501 616 0013	43- 14	AH	EB		B
RCRSQ5030SCZZ	572 616 0008	44- 8	AG	DX		B
RDENC0002FCZZ	572 685 2063	14- 18	BX	RR		E
〃	572 685 2063	66-901	BX	RR		E
RDENC0011FCZ1	572 685 2108	14- 18	BX	RR	N	E
〃	572 685 2108	67-901	BX	RR	N	E
RDENC0011FCZZ	572 685 2112	14- 18	BX	RR		E
〃	572 685 2112	67-901	BX	RR		E
RDTCF0144FCZZ	572 618 0140	10- 37	AV	FG		B
RDTCT0138FCZ1	572 618 0160	19- 36	AR	EQ		B
〃	572 618 0160	20- 36	AR	EQ		B
RDTCT0143FCZ1	572 618 0144	19- 37	AR	EQ		B
〃	572 618 0144	20- 45	AR	EQ		B
RDTCT0143FCZ2	572 618 0164	19- 37	AR	EQ		B
〃	572 618 0164	20- 45	AR	EQ		B
RFiLF0045FCZZ	572 621 0054	47- 66	AD	DJ		C
RFiLN0040FCZZ	572 621 0050	47- 11	AE	DS		C
RFiLN0041FCZZ	572 621 0053	47- 12	AC	DJ		C
〃	572 621 0053	49- 8	AC	DJ		C
RFiLN0043FCZZ	572 621 0052	43- 16	AC	DJ		C
〃	572 621 0052	44- 9	AC	DJ		C
RFiLZ1030LCZZ	594 621 0042	47- 14	AE	DJ		C
RH-DZ0016FCZZ	572 570 0001	44- 10	AB	DD		B
RHETP0073FCZZ	572 623 0082	5- 44	AQ	EQ		B
RHETP0074FCZZ	572 623 0083	5- 43	AP	EQ		B
RHETP0076FCZZ	572 623 0085	13- 63	AQ	EQ		B
RH-HX0027PAZZ	578 572 0003	67- 37	AE	DS		B
RH-iX0001FCZZ	572 573 2437	43- 64	AR	EQ		B
〃	572 573 2437	47- 31	AR	EQ		B
RH-iX0275PAZZ	541 573 0135	67- 38	AP	EZ		B
RH-iX0783PAZZ	572 573 0004	67- 39	AD	DJ		B
RH-iX2262PAZZ	572 573 2424	67- 40	AM	EG		B
RH-PX0285PAZZ	578 574 0040	67- 41	AF	DS		B
RLMPU0636FCZ1	572 626 0597	19- 43	BA	FX		B
RLMPU0637FCZ1	572 626 0598	20- 19	BA	FX		B
RLMPU0648FCZ2	572 626 0612	19- 43	BA	FX		B
RLMPU0649FCZ1	572 626 0603	20- 19	BA	FX		B
RLMPU0650FCZ2	572 626 0611	19- 43	BA	FX		B
RLMPU0651FCZ1	572 626 0605	20- 19	BA	FX		B
RLMPU0659FCZZ	572 626 0617	7- 1	BF	GN		B
RMOTD0853FCZZ	572 630 0998	17- 19	AY	FQ		B
RMOTP0842FCZZ	572 630 0985	12- 31	BD	GN		B
RMOTP0868FCZZ	572 630 1060	15- 36	BQ	LP		B
〃	572 630 1060	19- 13	BQ	LP		B
〃	572 630 1060	21- 24	BQ	LP		B
RMOTP0877FCZZ	572 630 1071	15- 21	BG	GT		B
RMOTS0865FCZZ	572 630 1007	6- 23	BM	HV		B
RMPTC4101QCJJ	594 631 0080	49- 9	AC	DD		B
RMPTC4102QCJJ	594 631 0081	43- 18	AC	DD		B
RMPTC4103QCJJ	594 631 0091	43- 19	AC	DD		B
〃	594 631 0091	47- 15	AC	DD		B
RMPTC4104QCJJ	594 631 0098	43- 20	AA	DD		B
RMPTC4203QCJJ	572 631 0276	43- 21	AA	DD		B
RMPTC4220QCJJ	593 631 0309	47- 16	AC	DD		B
RMPTC4470QCJJ	594 631 0093	43- 24	AC	DD		B
〃	594 631 0093	49- 10	AC	DD		B
RMPTC4472QCJJ	594 631 0083	43- 22	AC	DD		B

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			Ex.	Ja.		
RMPTC4473QCJJ	593 631 0296	43- 23	AC	DD		B
RMPTC4562QCJJ	572 631 0277	47- 17	AA	DD		B
RMPTC8103QCJB	585 631 0061	64- 13	AC	DD		B
RMPTK0019PAZZ	572 631 0297	67- 42	AN	EG		B
RPLU-0279FCZZ	572 647 0216	32- 25	AN	EG		B
RPLU-0327FCZ1	572 647 0363	35- 20	AQ	EQ		B
RPLU-0332FCZZ	572 647 0340	12- 38	AP	EQ		B
RPLU-0334FCZZ	572 647 0341	12- 55	AP	EQ		B
RR-BZ0005PAZZ	572 580 1264	67- 43	AC	DD		C
RR-FZA3HCR05K	572 580 1266	67- 44	AF	DS		C
RRLYD1121QCZZ	572 637 0160	65- 7	AK	DX		B
RRLYD1122QCZZ	572 637 0161	65- 8	AL	EB		B
RRLYD1123QCZZ	572 637 0166	65- 9	AM	EG		B
RRLYD1422QCZZ	572 637 0162	65- 9	AK	DX		B
RR-SN1021PA6D	572 580 1267	67- 45	AB	DD		C
RR-SN9311PA6D	572 580 1268	67- 46	AB	DD		C
RR-SZ0070PAZZ	572 580 1269	67- 47	AC	DD		C
RR-SZ0072PAZZ	578 580 0111	67- 48	AB	DD		C
RR-SZ0126PAZZ	572 580 1271	67- 50	AC	DD		C
RR-XZ0012PAZZ	596 580 0054	67- 51	AB	DD		C
RR-XZ0030PAZZ	595 580 0098	67- 52	AB	DD		C
RR-XZ0076PAZZ	595 580 0441	67- 53	AC	DD		C
RTHM-0021FCZZ	572 644 0029	20- 39	AN	EG		B
RTHM-0022FCZZ	572 644 0030	19- 32	AN	EG		B
RTRNZ0543FCZ1	572 660 0431	15- 1	BS	MJ		E
RTRNZ0607PANT	572 660 0439	67- 54	AE	DJ		B
RTRNZ0704PANJ	572 660 0440	67- 55	AN	EQ		B
RTRNZ0765PANE	572 660 0441	67- 56	AP	EQ		B
RTRNZ0771PANJ	572 660 0444	67- 57	AP	EQ		B
RVR-M0390PAZZ	572 670 0178	67- 59	AD	DJ		B
RVR-P0009FCZZ	572 670 0172	33- 10	AV	FG		B
【S】						
SPAKA1624FCZZ	572 902 0157	40- 11	AB	DD		D
SPAKA4693FCZZ	572 902 0929	40- 9	AE	DS		D
SPAKA5914FCZZ	572 902 1534	40- 1	AY	FQ		D
SPAKA5915FCZ1	572 902 1535	40- 4	AZ	FX		D
SPAKA5916FCZ1	572 902 1536	40- 3	AZ	FX		D
SPAKA5917FCZZ	572 902 1542	40- 4	AZ	FX		D
SPAKA5918FCZZ	572 902 1543	40- 3	AZ	FX		D
SPAKA5923FCZZ	572 902 1537	40- 6	BH	GX		D
SPAKA5924FCZ1	572 902 1590	40- 7	BN	LE		D
SPAKA5940FCZZ	572 902 1539	40- 18	AQ	EQ		D
SPAKA6001FCZZ	572 902 1545	40- 16	AR	EQ		D
SPAKA6045FCZZ	572 902 1548	40-116	AE	DJ		D
SPAKC6164FC11	572 901 1731	40- 2	BH	GX		D
SPAKC6164FCZZ	572 901 1730	40- 2	BH	GX		D
SPAKC6165FCZZ	572 901 1732	40- 2	BH	GX		D
SPAKC6166FCZZ	572 901 1733	40- 2	BH	GX		D
SPAKC6328FC11	572 901 1846	40- 2	BH	GX	N	D
SPAKC6328FCZZ	572 901 1837	40- 2	BH	GX		D
SPAKC6329FCZZ	572 901 1838	40- 2	BH	GX		D
SPAKC6330FCZZ	572 901 1839	40- 2	BH	GX		D
SSAKA2440QCZZ	595 906 0005	40- 19	AB	DD		D
SSAKH9940QCZZ	592 906 0001	40- 5	AL	DX		D
【T】						
TCADS0649FCZZ	572 913 0534	40-104	AM	EG		D
TCADZ0214FCZZ	572 913 0210	40-115	AC	DD		D
TCADZ1178FCZZ	572 913 0651	40- 15	AB	DJ		D
TCADZ1275FCZZ	572 913 0734	40- 10	AB	DJ		D
TCADZ1458FCZZ	572 913 0918	18- 21	AC	DJ		D
TCADZ1520FCZZ	572 913 0952	40-111	AE	DS		D
TCADZ2001QCZA	579 913 0089	40-104	AE	DS		D
TCAUA0766FCZZ	572 914 0012	1- 45	AB	DD		D
TCAUA0770FCZZ	572 914 0035	1- 45	AB	DD		D
TCAUH0918FCZZ	572 914 0078	1- 45	AA	DD		D
TCAUH1028FCZZ	572 914 0653	1- 45	AC	DJ		D
TCAUH1035FCZZ	572 914 0672	19- 11	AC	DJ		D
TCAUH1040FCZZ	572 914 0678	1- 48	AC	DJ		D
TiNSE2098FCZZ	572 916 1953	40-106	AZ	FX		D
TiNSE2099FCZZ	572 916 1954	40-106	AQ	EQ		D
TiNSE2100FCZZ	572 916 1955	40-106	BH	GX		D
TiNSE2257FCZZ	572 916 2017	40-106	AZ	FQ	N	D
TiNSE2258FCZZ	572 916 2018	40-106	AQ	EQ	N	D
TiNSE2259FCZZ	572 916 2019	40-106	BD	GN	N	D
TiNSE2262FCZZ	572 916 2020	40-106	BD	GN	N	D
TiNSF2101FCZZ	572 916 1959	40-106	BH	GX		D
TiNSF2260FCZZ	572 916 2024	40-106	BH	GX	N	D
TiNSG2102FCZZ	572 916 1956	40-106	BH	GX		D
TiNSG2261FCZZ	572 916 2021	40-106	BD	GN	N	D
TiNSJ2096FCZZ	572 916 1957	40-106	AZ	FQ		D
TiNSJ2097FCZZ	572 916 1958	40-106	AP	EQ		D

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			Ex.	Ja.		
TiNSJ2255FCZZ	572 916 2022	40-106	AZ	FQ	N	D
TiNSJ2256FCZZ	572 916 2023	40-106	AN	EQ	N	D
TiNSS2263FCZZ	572 916 2025	40-106	BH	GX	N	D
TiNSZ2270FCZZ	572 916 2026	40-106	BH	GX	N	D
TLABH4186FCZZ	572 917 3188	40-114	AE	DS		C
TLABH4380FCZZ	572 917 3400	5- 36	AD	DJ		C
TLABH4394FCZZ	572 917 3408	1- 26	AF	DS		C
TLABH4397FCZZ	572 917 3433	1- 26	AC	DJ		C
TLABS4069FCZZ	572 917 3158	40-115	AC	DJ		C
TLABS4306FCZZ	572 917 3307	1- 43	AC	DJ		C
TLABZ4197FCZZ	572 917 3230	1- 44	AD	DJ		C
TLABZ4313FCZZ	572 917 3404	18- 22	AD	DJ		C
TLABZ4314FCZZ	572 917 3409	33- 28	AE	DS		C
TLABZ4326FCZZ	572 917 3410	33- 28	AE	DS		C
TLABZ4327FCZZ	572 917 3411	33- 28	AE	DJ		C
TLABZ4333FCZZ	572 917 3402	12- 57	AC	DJ		C
TLABZ4387FCZZ	572 917 3403	1- 31	AL	EB		C
TLABZ4408FCZZ	572 917 3439	19-110	AC	DJ		C
【U】						
UBNDA0001FCZZ	595 933 0001	14- 73	AA	DD		C
UCLEZ0155FCZ1	572 704 0081	19- 93	BB	GD		C
UCLEZ0156FCZ2	572 704 0088	16- 10	AU	EZ		C
UCLEZ0157FCZZ	572 704 0080	16- 16	AN	EG		C
UCLEZ0161FCZZ	572 704 0084	37- 1	AN	EG		C
UCLEZ0165FCZZ	572 704 0085	37- 3	AS	EZ		C
UKOGZ0002FCZZ	572 941 0178	40- 20	AD	DJ		D
UYOK-0011FCZZ	572 947 0059	40-108	AA	DD		D
UYOK-0054FCZZ	572 428 0009	21- 18	AR	EQ		C
UYOK-0055FCZ1	572 428 0012	37- 9	AP	EQ		C
【V】						
VCCCCY1HH100D	595 593 0127	47- 18	AA	DD		C
VCCCCY1HH101J	507 591 5030	43- 25	AA	DD		C
VCCCCY1HH151J	507 591 5031	47- 19	AA	DD		C
VCCCCY1HH220J	594 593 0184	43- 26	AA	DD		C
〃	594 593 0184	44- 11	AA	DD		C
VCCCCY1HH4R0C	595 593 1248	47- 83	AA	DD		C
VCCCCY1HH6R0D	593 593 0602	47- 20	AA	DD		C
VCCSPA1H6331J	572 593 0353	67- 60	AC	DD		C
VCEAEA0JW107M	541 591 5218	47- 21	AA	DD		C
VCEAFA1HN105M	572 594 0836	43-116	AD	DJ		C
VCEAFU1HM225M	572 594 0918	67- 62	AB	DD		C
VCEAFU1HM474M	572 594 0919	67- 63	AC	DD		C
VCEAFU1HM476M	572 594 0920	67- 64	AC	DD		C
VCEAFW1VM228M	572 594 0921	67- 65	AH	DX		C
VCEAFW1VM338M	572 594 0922	67- 66	AL	EB		C
VCEAGA0JW108M	541 591 5185	43- 27	AD	DJ		C
VCEAGA1AW107M	585 594 0057	44- 12	AB	DD		C
〃	585 594 0057	49- 11	AB	DD		C
VCEAGA1AW476M	572 594 0061	43- 28	AA	DD		C
〃	572 594 0061	44- 13	AA	DD		C
〃	572 594 0061	64- 14	AA	DD		C
VCEAGA1AW477M	541 591 5323	43- 29	AB	DD		C
〃	541 591 5323	47- 22	AB	DD		C
VCEAGA1CW106M	541 591 5281	43- 30	AA	DD		C
〃	541 591 5281	64- 15	AA	DD		C
〃	541 591 5281	65- 21	AA	DD		C
VCEAGA1HW474M	579 594 0067	44- 14	AB	DD		C
VCEAGA1HW475M	579 594 0076	44- 15	AA	DD		C
VCEAGA1VW106M	572 594 0093	43- 31	AA	DD		C
VCEAGA1VW107M	541 591 5325	44- 16	AB	DD		C
VCEAGA1VW108M	597 594 0002	64- 16	AG	ZT		C
VCEAGA1VW476M	572 594 0091	65- 22	AB	DD		C
VCEAGU1AW476M	507 591 5008	49- 12	AA	DD		C
VCEAGU1VW477M	585 594 0061	43- 32	AD	DJ		C
〃	585 594 0061	44- 18	AD	DJ		C
VCEAJA1CW476M	578 594 0011	54- 6	AB	DD		C
VCFYPU1HA104J	572 596 0363	43- 33	AD	DD		C
VCKYCY1CF224Z	595 593 1278	43- 34	AB	DD		C
VCKYCY1EF103Z	571 593 0053	47- 67	AA	DD		C
VCKYCY1EF104Z	507 591 5036	43- 35	AA	DD		C
〃	507 591 5036	47- 23	AA	DD		C
〃	507 591 5036	49- 14	AA	DD		C
VCKYCY1HB102K	594 593 0044	43- 36	AA	DD		C
〃	594 593 0044	44- 19	AA	DD		C
〃	594 593 0044	47- 24	AA	DD		C
〃	594 593 0044	49- 13	AA	DD		C
VCKYCY1HB221K	571 593 0177	49- 15	AB	DD		C
VCKYCY1HB222K	595 593 0027	44- 20	AA	DD		C
VCKYCY1HB471K	571 593 0179	44- 83	AB	DD		C
VCKYCY1HF103Z	594 593 0071	43- 37	AA	DD		C
VCKYCY1HF223Z	594 593 0072	43- 38	AA	DD		C

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			Ex.	Ja.		
VCKYCY1HF223Z	594 593 0072	44- 22	AA	DD		C
VCKYPA1HF223Z	572 593 0029	64- 20	AA	DD		C
VCKYPU1EB223Z	572 593 0312	54- 7	AB	DD		C
VCKYPU1HB101K	500 595 0071	54- 8	AA	DD		C
VCKYPU1HB102K	541 595 1004	64- 17	AA	DD		C
VCKYPU1HB222K	541 595 0014	64- 18	AA	DD		C
VCKYPU1HB471K	541 595 1008	64- 19	AA	DD		C
VCKYTQ1CF225Z	595 593 1281	47- 25	AC	DJ		C
〃	595 593 1281	47- 77	AC	DJ		C
VCKYTV1AB225M	596 593 1293	43- 39	AC	DD		C
VCKYTV1CB105K	521 593 0041	43- 40	AC	DD		C
VCKYTV1EF334Z	594 593 0045	43- 41	AC	DD		C
VCQYNA1HM104K	572 596 0182	44- 23	AB	DD		C
VHD1N4005//-1	572 570 0478	67- 67	AC	DJ		B
VHD1SS133//-1	541 570 5063	43- 42	AA	DD		B
VHD1SS270A/-1	578 570 0049	67- 68	AA	DD		B
VHDD1NL20U+-1	585 570 0165	44- 76	AD	DJ		B
VHDDAN202K/-1	500 570 5005	43- 43	AB	DD		B
〃	500 570 5005	44- 24	AB	DD		B
〃	500 570 5005	47- 68	AB	DD		B
VHDDAN217//-1	500 570 5021	43- 44	AC	DD		B
VHDDAP202K/-1	500 570 0037	43- 45	AB	DD		B
〃	500 570 0037	44- 25	AB	DD		B
〃	500 570 0037	47- 69	AB	DD		B
VHDDSM1D1//-1	572 570 0366	44- 27	AB	DJ		B
VHDDSS133//-1	500 570 5006	44- 26	AA	DD		B
〃	500 570 5006	54- 18	AA	DD		B
〃	500 570 5006	55- 8	AA	DD		B
〃	500 570 5006	65- 10	AA	DD		B
VHDERA2210/-1	572 570 0538	67- 69	AD	DJ		B
VHDERA9102/-1	578 570 0048	67- 70	AC	DD		B
VHDGSiB6A60-1	572 570 0541	67- 72	AH	DX		B
VHDS1WBA60/-1	585 570 0010	67- 73	AE	DS		B
VHDYG805C04-1	572 570 0539	67- 74	AH	DX		B
VHEHZ12B3//-1	505 571 0001	44- 29	AA	DD		B
VHEHZ2C1///-1	588 571 0019	43- 46	AA	DD		B
VHEHZ30BP++-1	572 571 0265	44- 85	AD	DJ		B
VHEHZS27-1/-1	572 571 0261	67- 75	AB	DJ		B
VHEHZS4B2//-1	572 571 0262	67- 76	AB	DJ		B
VHEHZS4C2//-1	572 571 0231	44- 31	AC	DJ		B
VHEHZS5B3//-1	572 571 0157	43- 47	AB	DJ		B
VHEHZS6B2//-1	578 571 0040	67- 77	AC	DJ		B
VHERD22FB//-1	500 571 0074	44- 30	AD	DJ		B
VHERD39ESB1-1	572 571 0216	67- 78	AC	DJ		B
VHH103AT-2/-1	595 572 0003	54- 9	AG	DS		B
VHi27C512J6FC	572 573 2454	44-902	AX	FQ		B
VHi27C512K1FC	572 573 2561	44-902	AV	FG	N	B
VHi28F161A48F	572 573 2455	4- 32	BG	GT		B
VHi28F161A49F	572 573 2456	14- 41	BG	GX		B
VHi28F161A50F	572 573 2562	14- 41	BD	GN	N	B
VHi28F161A51F	572 573 2563	4- 32	BD	GN	N	B
VHi28F162A32F	572 573 2457	39- 3	BH	HC		B
VHi28F162A33F	572 573 2564	39- 3	BH	GX	N	B
VHi58C256AP-1	572 573 2235	14- 59	BB	GD		B
〃	572 573 2235	43- 51	BB	GD		B
VHi59SM708+-1	572 573 2236	47- 72	BH	GX		B
VHi74AC08MTCX	572 573 2086	47- 35	AE	DJ		B
VHi74HCU04SJX	572 573 2087	47- 40	AD	DJ		B
VHi74LCX00MTC	572 573 2088	47- 41	AE	DJ		B
VHi74LCX08MTC	572 573 2090	47- 42	AE	DJ		B
VHi74LCX14MTC	572 573 2091	47- 43	AE	DJ		B
VHi74LCX245MT	572 573 2093	47- 44	AG	DX		B
VHi74LCX32MTC	572 573 2094	47- 45	AE	DJ		B
〃	572 573 2094	49- 21	AE	DJ		B
VHi74LV00AT//	572 573 2134	43- 52	AD	DJ		B
VHi74LV04AT//	572 573 2135	43- 53	AD	DJ		B
VHi74LV10AT//	572 573 2136	43- 54	AD	DJ		B
VHi74LV138AT/	572 573 2137	43- 55	AE	DS		B
VHi74LV32AT//	572 573 2138	43- 56	AD	DJ		B
VHi74LV74AT//	572 573 2139	43- 57	AD	DJ		B
VHi74LV86AT//	578 573 1094	43- 58	AD	DJ		B
VHi74LVU04AT/	578 573 1093	43- 59	AD	DJ		B
VHi74VHC244MT	572 573 2096	49- 19	AF	DS		B
VHi74VHC32MTC	572 573 2097	47- 37	AD	DJ		B
VHi74VHCT04MT	572 573 2095	43- 60	AD	DJ		B
VHi74VHCT08AJ	572 573 2193	49- 18	AD	DJ		B
VHiAK8480//-1	572 573 2163	47- 70	BA	FX		B
VHiAT28C64B-1	572 573 1201	47- 27	AZ	FQ		B
VHiBA6267F/-1	572 573 2018	47- 28	AG	DX		B
VHiCD4052BCN1	572 573 2131	44- 36	AE	DS		B
VHiCY2305SC-1	572 573 2019	47- 85	AU	EZ		B

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			Ex.	Ja.		
VHiDS90C031-1	572 573 1730	47- 30	AW	FG		B
VHiFH45560/-1	572 573 1506	43- 62	BA	FX		B
VHiH83041K12F	572 573 1205	44- 32	BB	GD		B
VHiHD74LV14AF	572 573 2083	44- 72	AD	DJ		B
VHiHG71C254-1	572 573 1679	43- 63	AZ	FQ		B
VHiLM324NS/-S	572 573 0410	43- 65	AC	DJ		B
VHiLM339NS/-1	595 573 1429	43- 66	AD	DD		B
VHiM66235FP-1	572 573 1735	47- 33	AT	EZ		B
VHiM66393-001	572 573 1997	49- 17	BS	MJ		B
VHiMC68334/-1	572 573 1996	43- 67	BE	GN		B
VHiMCF5202P25	572 573 1684	47- 32	BG	GT		B
VHiMSM518222/	572 573 2029	49- 16	AZ	FX		B
VHiMTD1120+-V	572 573 2438	44- 81	AQ	EQ		B
VHiNJM2901N-1	541 573 1174	44- 33	AK	EB		B
VHiNJM2904D-1	572 573 0011	44- 34	AG	DS		B
VHiS1340AF+-1	572 573 2439	54- 10	AH	DX		B
VHiSD6408-066	572 573 2001	47- 72	BG	GT		B
VHiSLA7027MU/	578 573 0883	44- 81	AQ	EQ		B
〃	578 573 0883	64- 21	AQ	EQ		B
VHiTA7291S/-1	572 573 0188	43- 68	AF	DS		B
VHiTA75S393F1	521 573 0018	43- 69	AD	DS		B
VHiTA8415P/-1	572 573 2005	64- 22	AQ	EQ		B
VHiTD62003AP1	595 573 1747	43- 70	AG	DX		B
VHiTD62504/-1	572 573 0133	43-119	AG	DX		B
〃	572 573 0133	44- 37	AG	DX		B
〃	572 573 0133	64- 23	AG	DX		B
VHiTD62504F-1	595 573 1805	43- 71	AG	DS		B
VHiTE7754++-1	572 573 2440	43- 72	AW	FG		B
VHiTLC2932/-1	572 573 2021	47- 36	AS	EZ		B
VHiULN2004AN1	572 573 0899	44- 38	AE	DS		B
VHiUPD65841GM	572 573 2007	49- 20	BB	GD		B
VHiUPD65849GL	572 573 2008	47- 38	BM	HV		B
VHiUPD65949/-	572 573 2009	47- 39	BN	LE		B
VHiUT615125-1	572 573 2544	43- 64	AR	EQ		B
〃	572 573 2544	47- 31	AR	EQ		B
VHiVHCT14AM-1	578 573 1092	43- 73	AE	DJ		B
〃	578 573 1092	47- 71	AE	DJ		B
VHiVHCT32FT-1	567 573 1485	47- 37	AG	DS		B
VHPGP1A22LC-1	572 574 0100	21- 21	AK	EB		B
〃	572 574 0100	5- 17	AK	EB		B
VHPGP1A71A1-1	572 574 0114	32- 49	AG	DX		B
〃	572 574 0114	33- 20	AG	DX		B
〃	572 574 0114	35- 15	AG	DX		B
VHPGP2TC21//1	572 568 0107	12- 51	BE	GN		B
VHPGP3A38//-1	572 574 0040	5- 14	AH	DX		B
VHPLT1F67AF-1	595 574 0220	43- 74	AC	DJ		B
〃	595 574 0220	47- 73	AC	DJ		B
VHPLT9400E/-1	572 574 0310	54- 11	AK	EB		B
VHPMPG3864K-J	572 574 0298	54- 12	AC	DJ		B
〃	572 574 0298	55- 4	AC	DJ		B
VHSTM861S//-1	572 575 0162	67- 79	AG	DX		B
VHVC471D10A-1	578 577 0017	67- 80	AE	DJ		B
VRD-HT2EY101J	500 581 5010	64- 24	AA	DD		C
VRD-HT2EY102J	507 581 5010	54- 13	AA	DD		C
〃	507 581 5010	65- 11	AA	DD		C
VRD-HT2EY103J	505 581 5044	47- 86	AA	DD		C
VRD-HT2EY122J	579 581 0126	44- 40	AA	DD		C
VRD-HT2EY151J	541 581 5470	54- 15	AA	DD		C
〃	541 581 5470	55- 5	AA	DD		C
VRD-HT2EY201J	541 581 5471	65- 19	AA	DD		C
VRD-HT2EY242J	571 581 0369	64- 25	AA	DD		C
〃	571 581 0369	65- 16	AA	DD		C
VRD-HT2EY271J	572 581 0032	44- 75	AA	DD		C
VRD-HT2EY272J	579 581 0156	65- 17	AA	DD		C
VRD-HT2EY332J	507 581 5044	43- 75	AA	DD		C
VRD-HT2EY361J	593 581 0079	43- 76	AA	DD		C
VRD-HT2EY471J	507 581 5017	55- 6	AA	DD		C
VRD-HT2EY472J	507 581 5018	64- 26	AA	DD		C
〃	507 581 5018	65- 18	AA	DD		C
VRD-HT2EY473J	507 581 5019	64- 27	AA	DD		C
VRD-HT2EY511J	572 581 0030	64- 28	AA	DD		C
VRD-ST2CD101J	501 581 0043	67- 81	AA	DD		C
VRD-ST2CD102J	501 581 0040	67- 82	AA	DD		C
〃	501 581 0040	67- 83	AA	DD		C
VRD-ST2CD103J	501 581 0044	67- 84	AA	DD		C
〃	501 581 0044	67- 85	AA	DD		C
VRD-ST2CD104J	501 581 0042	67- 86	AA	DD		C
VRD-ST2CD123J	571 580 0129	67- 87	AA	DD		C
VRD-ST2CD151J	596 581 0149	67- 88	AA	DD		C
〃	596 581 0149	67- 89	AA	DD		C
VRD-ST2CD152J	596 581 0151	67- 90	AA	DD		C

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			Ex.	Ja.		
VRD-ST2CD153J	572 581 0195	67- 91	AA	DD		C
VRD-ST2CD182J	596 581 0154	67- 92	AA	DD		C
VRD-ST2CD221J	501 581 0039	67- 93	AA	DD		C
VRD-ST2CD222J	572 581 0196	67- 94	AA	DD		C
VRD-ST2CD270J	572 580 1273	67- 95	AB	DD		C
VRD-ST2CD331J	572 581 0201	67- 96	AA	DD		C
VRD-ST2CD332J	572 581 0204	67- 97	AA	DD		C
VRD-ST2CD333J	596 581 0144	67- 98	AA	DD		C
VRD-ST2CD470J	578 580 0118	67- 99	AB	DD		C
VRD-ST2CD471J	572 581 0199	67-100	AA	DD		C
VRD-ST2CD472J	572 581 0200	67-101	AA	DD		C
VRD-ST2CD561J	501 581 0046	67-102	AA	DD		C
VRD-ST2CD682J	578 580 0050	67-103	AA	DD		C
VRD-ST2CD823J	572 581 0208	67-104	AA	DD		C
VRD-ST2EF154J	541 581 1026	67-105	AA	DD		C
VRD-ST2HA470J	572 580 1275	67-106	AB	DD		C
VRD-ST2HF224J	578 580 0054	67-107	AB	DD		C
VRD-ST2HF273J	572 580 1276	67-108	AB	DD		C
VRG-ST2EBR33J	572 581 2090	65- 20	AC	DD		B
VRNHT2EK51R0F	572 581 1887	43- 77	AA	DD		C
VRN-HT2HK470F	572 581 1886	44- 44	AC	DD		C
VRS-CY1JD000J	507 581 5050	43- 78	AA	DD		C
〃	507 581 5050	44- 48	AA	DD		C
〃	507 581 5050	47- 47	AA	DD		C
VRS-CY1JD101J	596 581 0257	43- 79	AA	DD		C
〃	596 581 0257	47- 48	AA	DD		C
VRS-CY1JD102F	567 581 0440	43- 80	AA	DD		C
VRS-CY1JD102J	571 581 0007	43- 81	AA	DD		C
〃	571 581 0007	44- 49	AA	DD		C
〃	571 581 0007	47- 49	AA	DD		C
VRS-CY1JD103J	500 581 5097	43- 82	AA	DD		C
〃	500 581 5097	44- 50	AA	DD		C
〃	500 581 5097	47- 50	AA	DD		C
VRS-CY1JD104F	596 581 2061	44- 51	AA	DD		C
VRS-CY1JD104J	507 581 5051	43-111	AA	DD		C
〃	507 581 5051	44- 52	AA	DD		C
VRS-CY1JD105J	507 581 5052	43- 84	AA	DD		C
〃	507 581 5052	44- 53	AA	DD		C
〃	507 581 5052	47- 52	AA	DD		C
VRS-CY1JD106J	571 581 0863	43- 85	AA	DD		C
VRS-CY1JD114F	521 581 0081	43-118	AA	DD		C
VRS-CY1JD121J	596 581 2401	47- 81	AA	DD		C
VRS-CY1JD122J	595 581 0002	43- 86	AA	DD		C
〃	595 581 0002	44- 54	AA	DD		C
VRS-CY1JD133F	521 581 0059	47- 76	AA	DD		C
VRS-CY1JD152J	571 581 0003	43- 87	AA	DD		C
VRS-CY1JD153F	521 581 0060	47- 74	AA	DD		C
VRS-CY1JD182J	596 581 0261	44- 55	AA	DD		C
VRS-CY1JD201J	571 581 0883	47- 75	AA	DD		C
VRS-CY1JD203J	571 581 0006	43- 89	AA	DD		C
VRS-CY1JD204J	594 581 0735	43- 90	AA	DD		C
VRS-CY1JD221J	500 581 5111	43- 91	AA	DD		C
VRS-CY1JD222F	594 581 0799	47- 82	AA	DD		C
VRS-CY1JD222J	595 581 0009	43- 92	AA	DD		C
〃	595 581 0009	44- 41	AA	DD		C
〃	595 581 0009	44- 58	AA	DD		C
VRS-CY1JD224J	594 581 0141	43- 93	AA	DD		C
VRS-CY1JD242F	594 581 0819	44- 59	AA	DD		C
VRS-CY1JD242J	596 581 2169	44- 60	AA	DD		C
VRS-CY1JD270J	521 581 0007	47- 53	AA	DD		C
VRS-CY1JD303J	594 581 0685	43- 94	AA	DD		C
VRS-CY1JD330J	596 581 0263	47- 79	AA	DD		C
VRS-CY1JD331J	585 581 0468	47- 56	AA	DD		C
VRS-CY1JD332J	500 581 5112	47- 54	AA	DD		C
VRS-CY1JD334J	521 581 0001	43- 95	AA	DD		C
VRS-CY1JD392F	521 581 0023	43- 96	AA	DD		C
VRS-CY1JD392J	507 581 5057	47- 57	AA	DD		C
VRS-CY1JD393J	594 581 0715	44- 61	AA	DD		C
VRS-CY1JD432J	594 581 0696	43- 97	AA	DD		C
VRS-CY1JD471F	596 581 2161	43- 98	AB	DD		C
VRS-CY1JD471J	571 581 0002	43- 99	AA	DD		C
〃	571 581 0002	44- 62	AA	DD		C
VRS-CY1JD472J	595 581 0069	43-100	AA	DD		C
〃	595 581 0069	44- 77	AA	DD		C
〃	595 581 0069	47- 58	AA	DD		C
VRS-CY1JD473J	507 581 5058	43-101	AA	DD		C
〃	507 581 5058	44- 82	AA	DD		C
VRS-CY1JD474J	595 581 0109	43-102	AA	DD		C
VRS-CY1JD560J	596 581 0245	47- 55	AA	DD		C
VRS-CY1JD561J	595 581 0071	47- 60	AA	DD		C
VRS-CY1JD562J	595 581 0072	44- 65	AA	DD		C

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			Ex.	Ja.		
VRS-CY1JD562J	595 581 0072	47- 61	AA	DD		C
VRS-CY1JD680F	567 581 0665	44- 66	AA	DD		C
VRS-CY1JD681J	595 581 0065	44- 67	AA	DD		C
VRS-CY1JD752F	521 581 0073	43-103	AA	DD		C
VRS-CY1JD752J	596 581 0258	44- 84	AA	DD		C
VRS-CY1JD753J	571 581 0026	43-104	AA	DD		C
VRS-CY1JD820J	567 581 0442	47- 80	AA	DD		C
VRS-CY1JD822J	507 581 0007	44- 68	AA	DD		C
VRS-CY1JD913F	521 581 0027	43-117	AA	DD		C
VRS-FT3AD104J	572 581 2056	67-109	AB	DD		C
VRS-FT3AD181J	572 581 2057	67-110	AB	DD		C
VRS-HT3DA1R0J	567 581 0073	64- 29	AB	DD		C
VRS-RE3AA121J	500 581 5035	44- 46	AC	DD		C
VRS-RE3DA1R0J	578 581 0219	44- 47	AB	DD		C
VRS-TS2AD101J	500 581 5047	49- 23	AA	DD		C
VRS-TS2AD103J	501 581 5009	49- 24	AA	DD		C
VRS-TS2AD201J	594 581 0241	44- 78	AG	DS		C
〃	594 581 0241	49- 25	AG	DS		C
VRS-TS2AD330J	595 581 0288	49- 26	AA	DD		C
VRS-TS2AD332J	500 581 5049	49- 27	AA	DD		C
VRS-TS2AD470J	595 581 0326	49- 28	AA	DD		C
VRS-TS2AD681J	579 581 0095	49- 29	AA	DD		C
VS2SA1270Y/-V	572 576 0542	44- 69	AC	DJ		B
VS2SA673AC/-1	571 576 0086	67-112	AE	DS		B
VS2SA673-C/-1	502 576 0001	47- 63	AE	DS		B
VS2SC1213-C1A	541 576 0006	67-113	AC	DD		B
VS2SC2412K/-1	500 576 5005	43-105	AB	DD		B
VS2SC2785F/-1	572 576 0525	67-114	AC	DJ		B
VS2SC3198Y/-V	572 576 0543	43-106	AC	DJ		B
〃	572 576 0543	44- 70	AC	DJ		B
〃	572 576 0543	65- 12	AC	DJ		B
VS2SC945///-1	541 576 0023	47- 64	AD	DJ		B
VS2SD1207-T-1	505 576 5021	44- 71	AD	DJ		B
VS2SJ377+++-1	572 576 0583	65- 15	AG	DX		B
VS2SJ477///-1	572 576 0579	67-115	AL	EB		B
VS2SJ494+++-1	572 576 0584	65- 14	AL	EB		B
VS2SK2082//-1	578 576 0080	67-116	AT	EZ		B
VS2SK3019++-1	596 576 0652	47- 78	AC	DJ		B
VSDTA143EK/-1	572 576 0011	43-107	AB	DD		B
VSDTC114EK/-1	595 576 0038	43-108	AB	DD		B
〃	595 576 0038	44- 74	AB	DD		B
VSDTC114ES/-1	595 576 0042	64- 30	AB	DD		B
VSDTC114YK/-1	507 576 5005	47- 62	AC	DD		B
VSDTC114YS/-1	594 576 0012	54- 16	AB	DD		B
VSUPA502T//-1	572 576 0512	43-109	AD	DJ		B
VVLLM400031-1	572 567 0007	4- 6	BY	ZZ		B
【X】						
XBBSD30P06000	541 970 5028	12- 59	AA	DD		C
〃	541 970 5028	22- 15	AA	DD		C
XBBSD30P08000	571 970 0241	14- 98	AA	DD		C
XBBSD30P16000	572 970 0628	38- 4	AA	DD		C
XBBSD40P06000	572 970 0626	5- 16	AA	DD		C
XBBSD40P10000	577 970 0051	13- 70	AA	DD		C
〃	577 970 0051	5- 13	AA	DD		C
〃	577 970 0051	6- 2	AA	DD		C
XBPBN30P05K00	572 970 1588	7- 19	AB	DD		C
XBPSD30P06000	541 970 1080	7- 22	AA	DD		C
XBPSD30P06KS0	541 970 0016	12- 33	AA	DD		C
〃	541 970 0016	39- 7	AA	DD		C
XBPSD30P08000	541 970 1026	15- 11	AA	DD		C
XBPSD30P16000	541 970 1103	13- 44	AA	DD		C
〃	541 970 1103	14- 74	AA	DD		C
XBPSD40P06K00	541 970 1038	14- 30	AA	DD		C
XBPSD40P08K00	541 970 1106	14- 15	AA	DD		C
〃	541 970 1106	5- 39	AA	DD		C
XBPSD40P08KS0	541 970 0013	13- 5	AA	DD		C
〃	541 970 0013	19- 20	AA	DD		C
〃	541 970 0013	6- 31	AA	DD		C
XBPSD40P10000	571 970 0129	6- 22	AA	DD		C
XBPSD40P10KS0	541 970 1107	15- 32	AA	DD		C
XBPSD40P20XS0	577 970 0048	14- 33	AA	DD		C
〃	577 970 0048	14- 71	AA	DD		C
XBPSD40P25XS0	577 970 0052	14- 33	AA	DD		C
XBSSE30P10000	572 970 0679	1- 29	AA	DD		C
XBTSC40P14000	571 970 0365	33- 5	AA	DD		C
XBTSE40P04000	572 970 1473	1- 8	AA	DD		C
XEBSD30P04000	595 970 0334	7- 20	AA	DD		C
XEBSD30P05000	578 970 0159	18- 17	AA	DD		C
XEBSD30P06000	578 970 0102	16- 17	AA	DD		C
〃	578 970 0102	38- 9	AA	DD		C
〃	578 970 0102	7- 21	AA	DD		C

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			Ex.	Ja.		
XEBSD30P08000	578 970 0105	12- 23	AA	DD		C
〃	578 970 0105	14- 2	AA	DD		C
〃	578 970 0105	19- 90	AA	DD		C
〃	578 970 0105	32- 61	AA	DD		C
〃	578 970 0105	35- 27	AA	DD		C
〃	578 970 0105	37- 2	AA	DD		C
XEBSD30P12000	572 970 0571	1- 41	AA	DD		C
〃	572 970 0571	35- 22	AA	DD		C
XEBSD30P14000	572 970 1675	1- 47	AA	DD		C
XEBSD40P06000	572 970 1363	5- 29	AA	DD		C
XEBSD40P08000	572 970 0587	1- 54	AA	DD		C
〃	572 970 0587	19- 91	AA	DD		C
〃	572 970 0587	21- 42	AA	DD		C
〃	572 970 0587	30- 4	AA	DD		C
〃	572 970 0587	32- 48	AA	DD		C
XEBSD40P10000	572 970 0588	18- 16	AA	DD		C
〃	572 970 0588	18- 18	AA	DD		C
〃	572 970 0588	21- 43	AA	DD		C
〃	572 970 0588	35- 31	AA	DD		C
XEBSD40P14000	572 970 1533	21- 40	AA	DD		C
XEBSD40P40000	572 970 2007	14- 53	AB	DD		C
XEBSE30P06000	578 970 0082	33- 11	AA	DD		C
XEBSE30P08000	595 970 0121	15- 6	AA	DD		C
〃	595 970 0121	33- 4	AA	DD		C
XEBSE40P14000	572 970 1506	13- 82	AA	DD		C
XEBSF30P08000	577 970 0058	17- 18	AA	DD		C
〃	577 970 0058	18- 2	AA	DD		C
XEPSD30P06XS0	572 970 2022	33- 9	AA	DD		C
XEPSD30P08000	595 970 0137	4- 3	AA	DD		C
XEPSD40P30000	572 970 0583	6- 13	AA	DD		C
XEPSD40P35000	572 970 0584	14- 7	AA	DD		C
XHBS230P06000	572 970 1971	10- 28	AA	DD		C
〃	572 970 1971	19- 57	AA	DD		C
〃	572 970 1971	20- 22	AA	DD		C
XHBS230P08000	572 970 2002	12- 19	AA	DD		C
XHBS240P06000	572 970 2003	19-108	AA	DD		C
〃	572 970 2003	20- 2	AA	DD		C
XHBS240P08000	572 970 2004	10- 31	AB	DD		C
〃	572 970 2004	19- 78	AB	DD		C
〃	572 970 2004	20- 53	AB	DD		C
〃	572 970 2004	20- 60	AB	DD		C
〃	572 970 2004	37- 4	AB	DD		C
XHBSD30P04000	578 970 0072	10- 26	AA	DD		C
〃	578 970 0072	19- 54	AA	DD		C
〃	578 970 0072	20- 40	AA	DD		C
XHBSD30P05000	595 970 0162	12- 44	AA	DD		C
〃	595 970 0162	19- 33	AA	DD		C
XHBSD30P06000	541 970 1017	10- 4	AA	DD		C
〃	541 970 1017	14- 44	AA	DD		C
〃	541 970 1017	19- 2	AA	DD		C
〃	541 970 1017	32- 32	AA	DD		C
〃	541 970 1017	39- 36	AA	DD		C
〃	541 970 1017	43-110	AA	DD		C
〃	541 970 1017	7- 3	AA	DD		C
XHBSD30P08000	578 970 0060	32- 52	AA	DD		C
〃	578 970 0060	5- 4	AA	DD		C
XHBSD30P10000	572 970 0530	19- 35	AA	DD		C
〃	572 970 0530	20- 49	AA	DD		C
XHBSD30P12000	569 970 0027	13-115	AA	DD		C
XHBSD30P20000	572 970 2037	10- 53	AA	DD		C
XHBSD40P06000	578 970 0073	19- 29	AA	DD		C
〃	578 970 0073	20- 33	AA	DD		C
〃	578 970 0073	32- 26	AA	DD		C
〃	578 970 0073	39- 2	AA	DD		C
XHBSD40P08000	578 970 0074	5- 3	AA	DD		C
XHBSD40P10000	572 970 0532	15- 42	AA	DD		C
XHBSD40P20000	572 970 1524	19- 9	AA	DD		C
XHBSE30P04000	595 970 0160	12- 52	AA	DD		C
〃	595 970 0160	13- 61	AA	DD		C
XHBSE30P06000	578 970 0070	12- 43	AA	DD		C
〃	578 970 0070	1- 33	AA	DD		C
〃	578 970 0070	5- 45	AA	DD		C
XHBSE30P08000	595 970 0163	12- 13	AA	DD		C
〃	595 970 0163	14-101	AA	DD		C
〃	595 970 0163	1- 50	AA	DD		C
XHBSE30P10000	595 970 0164	10- 7	AA	DD		C
XHBSE40P05000	572 970 2023	13-103	AB	DD		C
XHBSE40P06000	572 970 0534	13- 40	AA	DD		C
〃	572 970 0534	5- 35	AA	DD		C
XHBSE40P08000	572 970 0539	10- 6	AA	DD		C
〃	572 970 0539	1- 2	AA	DD		C

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			Ex.	Ja.		
XHBSE40P08000	572 970 0539	13- 10	AA	DD		C
〃	572 970 0539	14- 22	AA	DD		C
〃	572 970 0539	15- 22	AA	DD		C
〃	572 970 0539	24- 28	AA	DD		C
〃	572 970 0539	35- 43	AA	DD		C
〃	572 970 0539	39- 17	AA	DD		C
XHBSE40P14000	572 970 1525	13- 43	AA	DD		C
XHPSD30P25000	578 970 0154	14- 26	AA	DD		C
XHPSD40P30000	572 970 0568	14- 97	AA	DD		C
XNESD00-80000	572 980 0119	13- 17	AA	DD		C
XNESD30-24000	541 980 0002	15- 15	AA	DD		C
XNESD40-24000	571 980 0034	33- 18	AA	DD		C
XNESD80-65000	541 980 1005	13- 24	AA	DD		C
XPSSJ20-15000	572 218 0335	35- 40	AA	DD		C
XRESP25-04000	571 399 0012	12- 35	AA	DD		C
XRESP30-06000	541 399 5002	19- 4	AA	DD		C
〃	541 399 5002	19- 83	AA	DD		C
〃	541 399 5002	20- 29	AA	DD		C
XRESP40-06000	509 399 5001	16- 7	AA	DD		C
〃	509 399 5001	21- 8	AA	DD		C
〃	509 399 5001	24- 11	AA	DD		C
〃	509 399 5001	32- 3	AA	DD		C
XRESP50-06000	572 399 0063	10- 35	AA	DD		C
〃	572 399 0063	17- 5	AA	DD		C
〃	572 399 0063	19- 49	AA	DD		C
〃	572 399 0063	20- 5	AA	DD		C
〃	572 399 0063	21- 37	AA	DD		C
〃	572 399 0063	24- 6	AA	DD		C
〃	572 399 0063	30- 13	AA	DD		C
〃	572 399 0063	32- 16	AA	DD		C
〃	572 399 0063	35- 4	AA	DD		C
XRESP60-08000	541 399 5003	21- 36	AA	DD		C
〃	541 399 5003	22- 2	AA	DD		C
〃	541 399 5003	24- 24	AA	DD		C
XRESP70-06000	578 399 0016	15- 18	AA	DD		C
〃	578 399 0016	21- 35	AA	DD		C
XRESP70-08000	571 399 0027	12- 17	AA	DD		C
〃	571 399 0027	13-101	AA	DD		C
〃	571 399 0027	19- 19	AA	DD		C
〃	571 399 0027	20- 27	AA	DD		C
〃	571 399 0027	22- 13	AA	DD		C
〃	571 399 0027	24- 4	AA	DD		C
〃	571 399 0027	32- 34	AA	DD		C
〃	571 399 0027	35- 11	AA	DD		C
〃	571 399 0027	6- 9	AA	DD		C
XWHSD00-10180	572 990 0495	13- 19	AA	DD		C
XWHSD30-05070	572 990 0246	5- 40	AA	DD		C
XWHSD30-05080	500 990 0026	19- 34	AA	DD		C
〃	500 990 0026	20- 41	AA	DD		C
XWHSE40-08100	572 990 0403	33- 6	AA	DD		C
XWSSD00-25000	572 990 0501	13-108	AB	DD		C
【0】						
0FT13519279//	572 581 1975	66- 1	AF	DS		C
〃	572 581 1975	66- 2	AF	DS		C
0FT14356888//	572 637 0157	66- 3	AZ	FQ		B
0FT23006212//	572 573 1773	66- 4	AP	EQ		B
〃	572 573 1773	66- 5	AP	EQ		B
0FT23034135//	572 970 1546	66- 6	AC	DJ		C
0FT23034348//	572 576 0568	66- 7	AR	EQ		B
〃	572 576 0568	66- 8	AR	EQ		B
0FT23095657//	572 576 0569	66- 66	AF	DS		B
〃	572 576 0569	66- 67	AF	DS		B
〃	572 576 0569	66- 68	AF	DS		B
0FT23105423//	572 510 0798	66- 10	AE	DS		C
0FT23124843//	572 594 0892	66- 69	AP	EQ		C
〃	572 594 0892	66- 70	AP	EQ		C
0FT23188728//	572 594 0634	66- 11	AP	EQ		C
0FT23194256//	572 570 0524	66- 12	AR	EQ		B
0FT23204790//	572 594 0894	66- 71	AP	EQ		C
〃	572 594 0894	66- 72	AP	EQ		C
0FT23259447//	572 594 0897	66- 73	AK	DX		C
〃	572 594 0897	66- 74	AK	DX		C
0FT23259498//	572 594 0898	66- 75	AK	DX		C
〃	572 594 0898	66- 76	AK	DX		C
0FT23259536//	572 594 0899	66- 77	AP	EQ		C
0FT23285758//	572 570 0473	66- 13	AK	DX		B
0FT23287637//	572 576 0571	66- 78	AP	EQ		B
〃	572 576 0571	66- 79	AP	EQ		B
〃	572 576 0571	66- 80	AP	EQ		B
0FT23287823//	572 594 0900	66- 81	AK	DX		C
〃	572 594 0900	66- 82	AK	DX		C

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			Ex.	Ja.		
0FT23314863//	572 571 0246	66- 83	AF	DS		B
0FT23314871//	572 571 0247	66- 84	AF	DS		B
0FT23314936//	572 571 0248	66- 85	AF	DS		B
0FT23314944//	572 571 0249	66- 86	AF	DS		B
〃	572 571 0249	66- 87	AF	DS		B
〃	572 571 0249	66- 88	AF	DS		B
0FT23314979//	572 571 0250	66- 89	AF	DS		B
0FT23315010//	572 571 0251	66- 90	AF	DS		B
0FT23316084//	572 571 0252	66- 91	AF	DS		B
0FT23319431//	572 570 0525	66- 92	AF	DS		B
〃	572 570 0525	66- 93	AF	DS		B
〃	572 570 0525	66- 94	AF	DS		B
〃	572 570 0525	66- 95	AF	DS		B
〃	572 570 0525	66- 96	AF	DS		B
〃	572 570 0525	66- 97	AF	DS		B
〃	572 570 0525	66- 98	AF	DS		B
〃	572 570 0525	66- 99	AF	DS		B
0FT23339688//	572 200 1444	66- 14	AK	DX		C
0FT23375323//	572 614 0199	66- 15	AR	EQ		C
0FT23394395//	572 594 0903	66-100	AU	EZ		C
〃	572 594 0903	66-101	AU	EZ		C
0FT23397858//	572 510 1117	66- 16	AK	DX		C
0FT23400832//	572 571 0253	66-102	AF	DS		B
0FT23405087//	572 576 0414	66- 17	AN	EG		B
0FT23413403//	572 570 0389	66- 18	AU	EZ		B
0FT23413454//	572 614 0207	66- 19	BC	GJ		C
0FT23415031//	572 581 1977	66-103	AD	DJ		C
0FT23415325//	572 581 1978	66-104	AD	DJ		C
0FT23415341//	572 581 1979	66-105	AF	DS		C
〃	572 581 1979	66-106	AF	DS		C
0FT23415376//	572 581 1980	66-107	AD	DJ		C
0FT23415392//	572 581 1981	66-108	AD	DJ		C
0FT23415430//	572 581 1982	66-109	AF	DS		C
〃	572 581 1982	66-110	AF	DS		C
0FT23415473//	572 581 1983	66-111	AD	DJ		C
〃	572 581 1983	66-112	AD	DJ		C
0FT23415570//	572 581 1984	66-113	AF	DS		C
〃	572 581 1984	66-114	AF	DS		C
〃	572 581 1984	66-115	AF	DS		C
〃	572 581 1984	66-116	AF	DS		C
〃	572 581 1984	66-117	AF	DS		C
〃	572 581 1984	66-118	AF	DS		C
〃	572 581 1984	66-119	AF	DS		C
〃	572 581 1984	66-120	AF	DS		C
〃	572 581 1984	66-121	AF	DS		C
〃	572 581 1984	66-122	AF	DS		C
〃	572 581 1984	66-123	AF	DS		C
〃	572 581 1984	66-124	AF	DS		C
〃	572 581 1984	66-125	AF	DS		C
〃	572 581 1984	66-126	AF	DS		C
〃	572 581 1984	66-127	AF	DS		C
0FT23415619//	572 581 1986	66-128	AD	DJ		C
〃	572 581 1986	66-129	AD	DJ		C
〃	572 581 1986	66-130	AD	DJ		C
〃	572 581 1986	66-131	AD	DJ		C
〃	572 581 1986	66-132	AD	DJ		C
〃	572 581 1986	66-133	AD	DJ		C
〃	572 581 1986	66-134	AD	DJ		C
〃	572 581 1986	66-135	AD	DJ		C
〃	572 581 1986	66-136	AD	DJ		C
0FT23415635//	572 581 1987	66-137	AD	DJ		C
〃	572 581 1987	66-138	AD	DJ		C
〃	572 581 1987	66-139	AD	DJ		C
〃	572 581 1987	66-140	AD	DJ		C
〃	572 581 1987	66-141	AD	DJ		C
0FT23415643//	572 581 1988	66-142	AF	DS		C
0FT23415651//	572 581 1989	66-143	AF	DS		C
〃	572 581 1989	66-144	AF	DS		C
0FT23415678//	572 581 1990	66-145	AD	DJ		C
0FT23415686//	572 581 1991	66-146	AD	DJ		C
0FT23415716//	572 581 1992	66-147	AF	DS		C
〃	572 581 1992	66-148	AF	DS		C
〃	572 581 1992	66-149	AF	DS		C
〃	572 581 1992	66-150	AF	DS		C
〃	572 581 1992	66-151	AF	DS		C
0FT23415732//	572 581 1993	66-152	AD	DJ		C
〃	572 581 1993	66-153	AD	DJ		C
0FT23415740//	572 581 1994	66-154	AF	DS		C
〃	572 581 1994	66-155	AF	DS		C
0FT23415767//	572 581 1995	66-156	AD	DJ		C
〃	572 581 1995	66-157	AD	DJ		C

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			Ex.	Ja.		
0FT23415899//	572 581 1996	66-158	AF	DS		C
0FT23415929//	572 581 1997	66-159	AD	DJ		C
〃	572 581 1997	66-160	AD	DJ		C
0FT23416038//	572 581 1998	66-161	AD	DJ		C
〃	572 581 1998	66-162	AD	DJ		C
0FT23432963//	572 990 0440	66- 20	AC	DJ		C
0FT23437531//	572 615 0029	66- 21	AG	DX		C
〃	572 615 0029	66- 22	AG	DX		C
0FT23453847//	572 990 0441	66- 23	AC	DJ		C
0FT23479358//	572 512 0395	66- 24	AP	EQ		C
0FT23537900//	572 581 2007	66- 25	AD	DJ		C
0FT23538524//	572 581 2008	66- 26	AG	DX		C
0FT23543641//	572 516 0055	66-163	AK	DX		C
〃	572 516 0055	66-164	AK	DX		C
〃	572 516 0055	66-165	AK	DX		C
0FT23562794//	572 580 1234	66- 27	AD	DJ		C
0FT23562816//	572 580 1235	66- 28	AC	DJ		C
0FT23562859//	572 580 1236	66- 29	AD	DJ		C
〃	572 580 1236	66- 30	AD	DJ		C
〃	572 580 1236	66- 31	AD	DJ		C
〃	572 580 1236	66- 32	AD	DJ		C
0FT23562956//	572 581 2020	66- 33	AD	DJ		C
0FT23563103//	572 581 2021	66- 34	AD	DJ		C
〃	572 581 2021	66- 35	AD	DJ		C
0FT23563286//	572 581 1745	66- 36	AC	DJ		C
0FT23563316//	572 580 0999	66- 37	AC	DJ		C
0FT23563421//	572 581 2022	66- 38	AD	DJ		C
〃	572 581 2022	66- 39	AD	DJ		C
〃	572 581 2022	66- 40	AD	DJ		C
0FT23563456//	572 580 1240	66- 41	AC	DJ		C
〃	572 580 1240	66- 42	AC	DJ		C
0FT23563626//	572 581 2023	66- 43	AG	DX		C
0FT23563863//	572 581 2024	66- 44	AG	DX		C
0FT23605507//	572 570 0528	66-166	AK	DX		B
〃	572 570 0528	66-167	AK	DX		B
0FT23610810//	572 570 0529	66-168	AK	DX		B
〃	572 570 0529	66-169	AK	DX		B
〃	572 570 0529	66-170	AK	DX		B
〃	572 570 0529	66-171	AK	DX		B
0FT23611329//	572 594 0643	66- 45	AK	DX		C
〃	572 594 0643	66- 46	AK	DX		C
〃	572 594 0643	66- 47	AK	DX		C
〃	572 594 0643	66- 48	AK	DX		C
0FT23632954//	572 576 0573	66-172	AP	EQ		B
〃	572 576 0573	66-173	AP	EQ		B
〃	572 576 0573	66-174	AP	EQ		B
0FT23637387//	572 970 2034	66- 49	AK	DX		C
0FT23642909//	572 614 0182	66- 50	AK	DX		C
〃	572 614 0182	66- 51	AK	DX		C
〃	572 614 0182	66- 52	AK	DX		C
0FT23642917//	572 590 0022	66- 53	AG	DX		C
0FT23644634//	572 670 0175	66- 54	AK	DX		B
0FT23652300//	572 574 0322	66- 55	BA	FX		B
〃	572 574 0322	66- 56	BA	FX		B
0FT23665941//	572 621 0062	66-175	AK	DX		C
0FT23665984//	572 570 0396	66- 57	AU	EZ		C
0FT23667731//	572 581 2030	66- 58	AF	DS		C
0FT23678520//	572 581 2031	66-176	AF	DS		C
0FT23690474//	572 580 1254	66-177	AD	DJ		C
〃	572 580 1254	66-178	AD	DJ		C
0FT23690482//	572 580 1255	66-179	AD	DJ		C
0FT23696774//	572 580 1256	66-180	AD	DJ		C
0FT23706486//	572 581 2061	66- 59	AR	EQ		B
0FT23716503//	572 581 2032	66- 60	AF	DS		C
0FT23718182//	572 580 1257	66-181	AD	DJ		C
〃	572 580 1257	66-182	AD	DJ		C
0FT23723127//	572 515 0450	66- 61	AK	DX		A
0FT23728161//	572 580 1258	66-183	AD	DJ		C
〃	572 580 1258	66-184	AD	DJ		C
0FT23733289//	572 581 2033	66-185	AF	DS		C
〃	572 581 2033	66-186	AF	DS		C
0FT23735125//	572 594 0906	66-187	AF	DS		C
0FT23740277//	572 670 0176	66- 62	AK	DX		B
0FT23752267//	572 580 1259	66-188	AD	DJ		C
〃	572 580 1259	66-189	AD	DJ		C
〃	572 580 1259	66-190	AD	DJ		C
0FT23758591//	572 580 1260	66-191	AD	DJ		C
〃	572 580 1260	66-192	AD	DJ		C
〃	572 580 1260	66-193	AD	DJ		C
〃	572 580 1260	66-194	AD	DJ		C
0FT23761126//	572 515 0451	66- 63	AG	DX		A

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			Ex.	Ja.		
0FT23761126//	572 515 0451	66- 64	AG	DX		A
0FT23767299//	572 593 0342	66- 65	BF	GN		C
0FT23774899//	572 581 2034	66-195	AF	DS		C
0FT33019548//	572 593 0343	66-196	AU	EZ		C
〃	572 593 0343	66-197	AU	EZ		C
〃	572 593 0343	66-198	AU	EZ		C
0FT33029853//	572 580 1261	66-199	AD	DJ		C
〃	572 580 1261	66-200	AD	DJ		C
0FT33036442//	572 580 1262	66-201	AD	DJ		C
0FT33055277//	572 532 0211	66-202	AK	DX		C
0FT33057253//	572 614 0281	66-247	BA	FX		C
0FT33066740//	572 580 1263	66-203	AD	DJ		C
0FT33084013//	572 512 0398	66-248	AX	FG		C
0FT33084862//	572 594 0907	66-204	AK	DX		C
〃	572 594 0907	66-205	AK	DX		C
0FT33116497//	572 594 0908	66-206	AG	DX		C
0FT33116551//	572 594 0909	66-207	AK	DX		C
〃	572 594 0909	66-208	AK	DX		C
〃	572 594 0909	66-209	AK	DX		C
0FT33185650//	572 594 0910	66-210	AK	DX		C
〃	572 594 0910	66-211	AK	DX		C
〃	572 594 0910	66-212	AK	DX		C
〃	572 594 0910	66-213	AK	DX		C
0FT33188633//	572 593 0344	66-214	AF	DS		C
0FT33188641//	572 593 0345	66-215	AF	DS		C
〃	572 593 0345	66-216	AF	DS		C
〃	572 593 0345	66-217	AF	DS		C
〃	572 593 0345	66-218	AF	DS		C
〃	572 593 0345	66-219	AF	DS		C
0FT33189486//	572 575 0160	66-249	BA	FX		B
0FT33201516//	572 614 0283	66-250	BA	FX		C
0FT33213786//	572 593 0346	66-220	AK	DX		C
〃	572 593 0346	66-221	AK	DX		C
〃	572 593 0346	66-222	AK	DX		C
〃	572 593 0346	66-223	AK	DX		C
〃	572 593 0346	66-224	AK	DX		C
0FT33262132//	572 568 0129	66-251	AP	EQ		B
〃	572 568 0129	66-252	AP	EQ		B
〃	572 568 0129	66-253	AP	EQ		B
〃	572 568 0129	66-254	AP	EQ		B
0FT33293976//	572 594 0784	66-255	AF	DS		C
0FT33295049//	572 593 0347	66-225	AK	DX		C
0FT33377029//	572 576 0577	66-256	BB	GD		B
〃	572 576 0577	66-257	BB	GD		B
0FT33377266//	572 571 0258	66-226	AF	DS		B
0FT33388799//	572 593 0348	66-227	AP	EQ		C
〃	572 593 0348	66-228	AP	EQ		C
0FT33408188//	572 576 0545	66-258	AZ	FQ		B
〃	572 576 0545	66-259	AZ	FQ		B
0FT33408390//	572 582 0013	66-260	AX	FG		C
0FT33424604//	572 581 2036	66-229	AF	DS		C
0FT33428316//	572 593 0349	66-230	AK	DX		C
〃	572 593 0349	66-231	AK	DX		C
〃	572 593 0349	66-232	AK	DX		C
〃	572 593 0349	66-233	AK	DX		C
0FT33428421//	572 593 0350	66-234	AK	DX		C
〃	572 593 0350	66-235	AK	DX		C
〃	572 593 0350	66-236	AK	DX		C
〃	572 593 0350	66-237	AK	DX		C
〃	572 593 0350	66-238	AK	DX		C
〃	572 593 0350	66-239	AK	DX		C
〃	572 593 0350	66-240	AK	DX		C
〃	572 593 0350	66-241	AK	DX		C
0FT33440960//	572 573 2210	66-261	AZ	FQ		B
0FT33441592//	572 591 0086	66-262	AP	EQ		C
0FT33441614//	572 591 0087	66-263	AP	EQ		C
0FT33441622//	572 596 0393	66-264	AL	EB		C
0FT33469128//	572 570 0533	66-265	BA	FX		B
〃	572 570 0533	66-266	BA	FX		B
0FT33477031//	572 614 0275	66-267	BA	FX		C
0FT33487010//	572 512 0399	66-268	AP	EQ		C
0FT33504675//	572 424 0143	66-269	AK	DX		C
0FT33518331//	572 596 0394	66-242	AF	DS		C
〃	572 596 0394	66-243	AF	DS		C
〃	572 596 0394	66-244	AF	DS		C
〃	572 596 0394	66-245	AF	DS		C
〃	572 596 0394	66-246	AF	DS		C
0FT33529090//	572 532 0212	66-270	AP	EQ		C
〃	572 532 0212	66-271	AP	EQ		C
0FT33539436//	572 512 0401	66-272	BA	FX		C
0FT33539460//	572 575 0161	66-273	AZ	FQ		B

PARTS CODE	JAPAN ONLY ORDER CODE	NO.	PRICE R.		NEW	P/R
			Ex.	Ja.		
0FT33539460//	572 575 0161	66-274	AZ	FQ		B
0FT33583524//	572 397 0184	66-275	BA	FX		C
0FT33594429//	572 582 0014	66-276	AP	EQ		C
〃	572 582 0014	66-277	AP	EQ		C
0FT33607598//	572 397 0185	66-278	BF	GN		C
0FT33607652//	572 582 0015	66-279	AP	EQ		C
0FT33628129//	572 397 0186	66-280	BF	GN		C
0FT33629214//	572 582 0016	66-281	AU	EZ		C
0FT35863303//	572 660 0438	66-282	BN	LE		B

CAUTION FOR BATTERY REPLACEMENT

(Danish) ADVARSEL !
Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri
af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandoren.

(English) Caution !
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type
recommended by the manufacturer.
Dispose of used batteries according to manufacturer's instructions.

(Finnish) VAROITUS
Paristo voi räjähtää,jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden
mukaisesti.

(French) ATTENTION
Il y a danger d'explosion s'il y a remplacement incorrect
de la batterie. Remplacer uniquement avec une batterie du
même type on d'un type équivalent recommandé par
le constructeur.
Mettre au rébut les batteries usagées conformément aux
instructions du fabricant.

(Swedish) VARNING
Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent
typ som rekornmenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens
Instruktion.

(German) Achtung
Explosionsgefahr bei Verwendung inkorrekter Batterien.
Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder
vom Hersteller empfohlene Batterien verwendet werden.
Entsorgung der gebrauchten Batterien nur nach den vom
Hersteller angegebenen Anwerisugen.

CAUTION FOR BATTERY DISPOSAL

(For USA,CANADA)
Contains lithium-ion battery. Must be disposed of properly.
Remove the battery from the product and contact
federal or state environmental
agencies for information on recycling and disposal options.

SHARP

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